

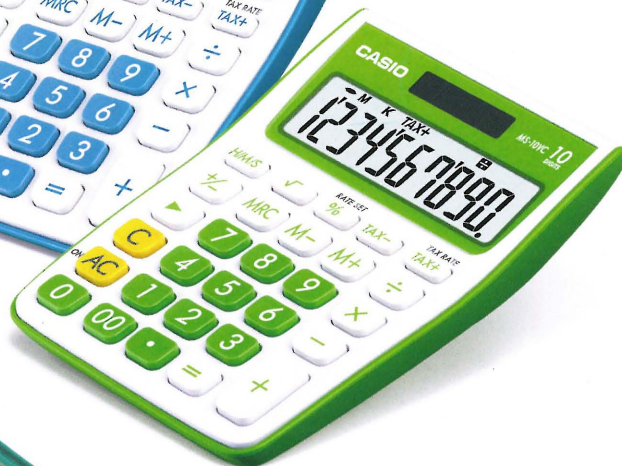
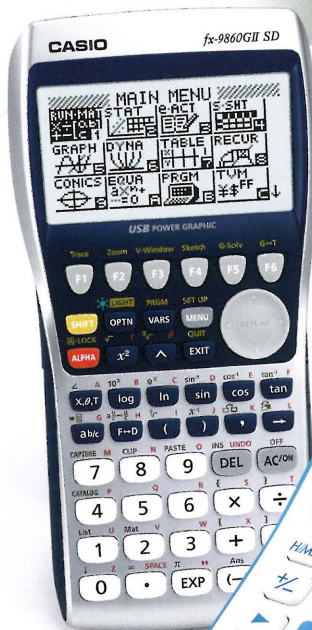
# CASIO®

Your Best Answer **Reliable & Durable**

OFFICE & SCHOOL

# ELECTRONIC CALCULATORS

GENERAL CATALOGUE 2009-2010



**SCIENTIFIC**  
CALCULATORS



**PRACTICAL**  
CALCULATORS



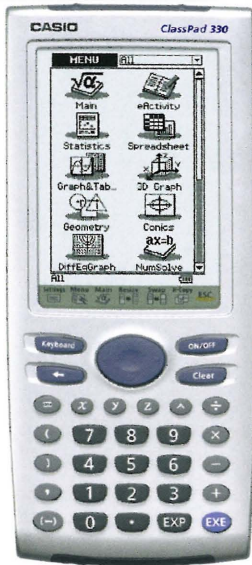
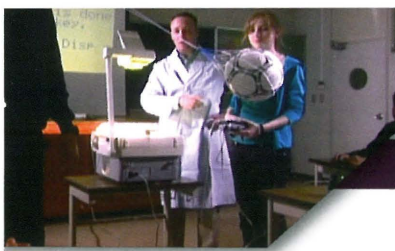
**PRINTING**  
CALCULATORS



**LABEL**  
PRINTERS

# SCIENTIFIC CALCULATORS

## GRAPHIC MODELS WITH CAS CAPABILITY



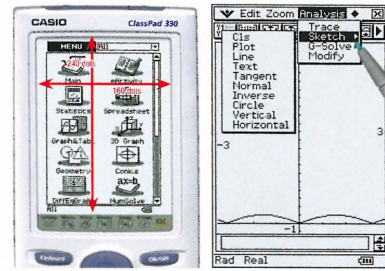
\* Comes with snap-on hard case

- OVER 1,500 FUNCTIONS
- 515,000 bytes
- NATURAL TEXTBOOK
- List-based STAT
- Multi-replay
- 21 characters by 17 lines
- 10+3 DIGITS
- ICON MENU
- DOT MATRIX
- Plastic Keys

### User-friendly Interface

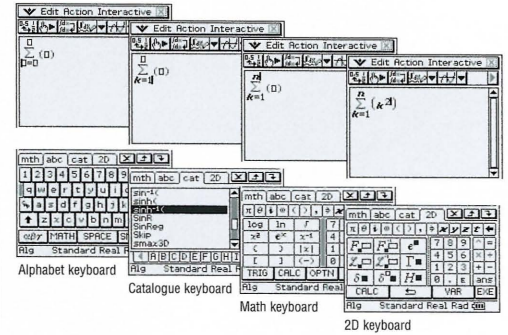
#### Pen Touch Operation

Intuitive stylus operation for entry of values and expressions, selection of menu commands, drag-and-drop copying of values and expressions, and much more. A big 160 x 240-dot LCD simplifies operation and shows more data per screen.



#### Natural Textbook Input and Output

Fractions, powers, and square roots, as well as high-level mathematical expressions such as  $\log$ ,  $\Sigma$ ,  $\int$ ,  $d/dx$ ,  $\lim$ , matrices,  $F$  (Fourier transforms), and  $L$  (Laplace transforms) can be entered and displayed just as they appear in your textbook. An on-screen soft keyboard helps to simplify entry of complex expressions.



## ClassPad 330

### ClassPad 330 Built-in Applications

#### Advanced CAS (Computer Algebra System)

Base- $n$  capabilities have been added for general-purpose numerical and mathematical calculations. Natural input/output mathematical functions have been expanded to include  $F$  (Fourier transforms),  $L$  (Laplace transforms),  $\delta$ ,  $\Gamma$ ,  $H$ , and more.

#### Differential Equation Application

The solution set of a differential equation can be represented graphically as a vector field, and solution curves can be drawn by providing initial conditions for the equation. First, second, and  $n$ -th order differential equations are supported.

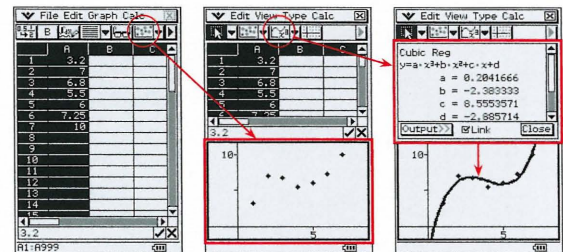
#### Financial Application

This ClassPad 330 application provides you with a total of 15 different financial calculations, including simple/compound interest, cash flow, amortization, depreciation, bond calculation, operating/financial leverage, and more.

### Spreadsheet Application

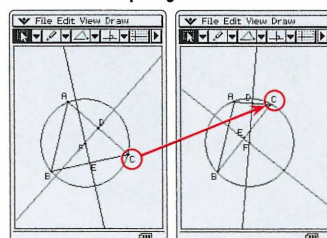
#### Improved Spreadsheet Application

Collected data can be organized and tabulated for analysis after statistical graphing is complete. Spreadsheet data also can be used in table calculations. In addition, ClassPad 330 adds the following functions: search, sort, data import from and export to lists, matrices, and variables, Cellf, and Histogram/Box-whisker graphing.



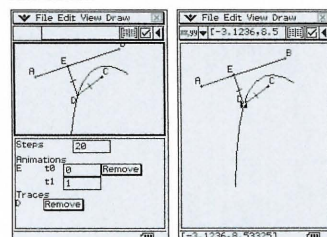
### Geometry Application

#### Geometric Graphing



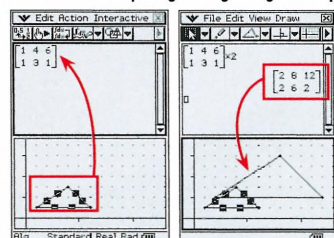
Students can learn the general theorems by drawing figures, and can confirm that a theorem still holds true even when the form of the triangle is altered.

#### Animation



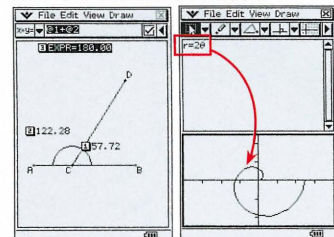
An Animation function provides the means to move geometric figures drawn on the screen. You can even plot the locus for a particular point of the animation. The screenshot shows an example where Point D is plotted as the locus for Point E moving on Line AB.

#### Geometric Graphing Using Drag & Drop



Dropping a geometric figure into the Main application window will produce the numerical data for the figure. Conversely, dropping numerical data into the Geometry window will produce the applicable figure.

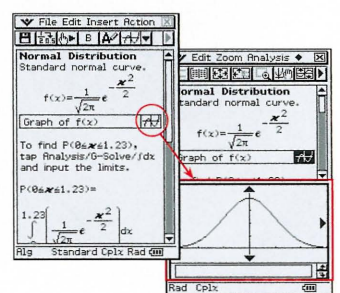
#### Enhanced Geometric Functions



ClassPad 330 supports drawing of conics using a focus, as well as graphing of polar equations and parametric equations. Enhanced labeling capabilities let you display attached angles, measurement-based calculation results, and more.

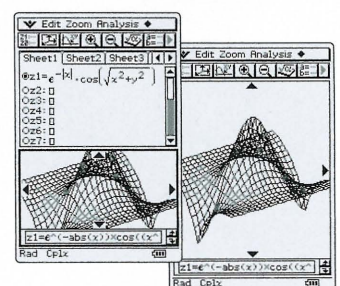
### eActivity Application

An eActivity is like a digital worksheet that can be created and worked with on the ClassPad 330. All of the powerful features and capabilities of the ClassPad 330 can be incorporated into an eActivity. In addition to being able to perform the same calculations as the Main application, an eActivity will accept text entry, just like a word processor. Graphs, as well as Geometry and Spreadsheet data also can be stored in an eActivity file.



### 3D Graph Application

The 3D Graph Application lets you draw rectangular coordinate graphs ( $z = f(x, y)$ ) and parametric function graphs ( $xst = f(s, t)$ ,  $yst = f(s, t)$ ,  $zst = f(s, t)$ ). You can split the display screen between a 3D Graph Editor window and 3D Graph window, or enlarge the 3D Graph window to view a larger graph.



## ClassPad 330 Specifications

## ■ ALGEBRA

- CAS (Computer Algebra System)
- Algebra Assistant
- Fractions • Transformation (simplify, expand, factor)
- Algebraic ( $\sqrt{\quad}$ ,  $x^2$ ,  $x^{-1}$ ,  $x^1$ ,  $\sqrt[n]{\quad}$ ,  $x^n$ )
- Simultaneous equations
- Real and Complex results • List • Matrix
- Combination  $nCr$ , Permutation  $nPr$
- Exponents ( $\log$ ,  $\ln$ ,  $10^{\square}$ ,  $e^{\square}$ )
- Trigonometrics ( $\sin$ ,  $\cos$ ,  $\tan$ ,  $\sin^{-1}$ ,  $\cos^{-1}$ ,  $\tan^{-1}$ )
- Angle unit (Degree, Radian, Grad)
- Function graphing, polar, parametric and  $x = f(y)$  equations
- Numeric evaluation of functions in tables
- Graph solve (root, max, intersection, inflection, distance)
- Conics graphs (Parabola, Circle, Ellipse, Hyperbola, General figure)
- Conics graph solve (Focus, Vertex, Directrix, Symmetry, Center, Radius)
- Recursive and explicit sequence numerical tables and plots
- Number Base (base 2 (Bin), 8 (Oct), 10 (Dec) and 16 (Hex))
- Laplace transform, Fourier transform, Fast Fourier transform (FFT)

## ■ CALCULUS

- Hyperbolics ( $\sinh$ ,  $\cosh$ ,  $\tanh$ ,  $\sinh^{-1}$ ,  $\cosh^{-1}$ ,  $\tanh^{-1}$ )
- Integration, Differential
- Differential equation
- $\Sigma$ ,  $\Pi$ ,  $\lim$  • Dirac Delta, Heaviside Unit Step, Gamma

## ■ STATISTICS

- List-based one- and two-variable statistical analysis
- Statistical regression calculations
- Statistical plot (Scatter Plot,  $x,y$ Line, Normal Probability Plot, Histogram, Box-whisker plot)
- Statistical regression graphs
- Advanced statistical calculations (Tests, Confidence Intervals and Distribution calculations)

## ■ GEOMETRY

- Constraint geometry (for education)
- Construction figures (Perpendicular, Midpoint, Intersection, Angle Bisector, Parallel, Tangent to Curve)
- Geometry figures (Circle, Arc, Ellipse, Hyperbola, Parabola, Triangle, Rectangle,  $n$ -gon, Point, Line Segment, Ray, Vector)
- Geometry animation
- Numeric evaluation of geometry animation in tables
- Labels (Text, Attached Angle, Measurement, Expression)

## ■ eACTIVITY APPLICATION

- eActivity creation • eActivity exploration (execution)
- Geometry-Link in eActivity

## ■ OTHER USEFUL FEATURES

- Drag & drop • Natural format input of equations and expressions
- Natural format display of results • Math, Alphabet, 2D soft keyboards
- Command catalogue soft keyboard • Calculation History
- Mantissa + exponent:  $15 + 3$  • Interactive manipulation for solving equations
- 3-dimensional graphs • Differential equation graphs
- Numeric equation solver • Financial calculations • Presentation feature
- Program storage capacity: 500 KB (max) • Icon menus
- Full screen display/Split screen display
- Software upgradeability (maintenance, feature upgrades)
- User-defined variable • User-defined function (extends built-in functions)
- Folder-based memory management • Unit-to-unit screen image transfer
- Resetting/Initializing memory • Selectable display language
- Auto Power Off (APO) • Ending Screen/User-defined Ending Screen
- Bundled program-link software FA-CP1: This data transfer software runs on a Windows computer. You can use it to transfer certain ClassPad unit files and to back up all ClassPad unit data on your computer. You can also transfer ClassPad unit screen captures to your computer.

## ■ HARDWARE

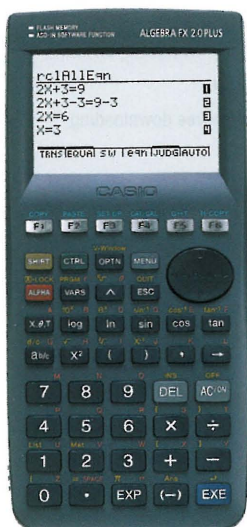
- Dimensions: 21.0(H)  $\times$  84.0(W)  $\times$  189.5(D) mm
- Approximate weight: 280g
- Battery type: Four AAA-size batteries LR03 (AM4)
- Battery life: Approx. 140 hours continuous operation (assuming 5 minutes calculation and 55 minutes display per hour)
- Display type: 160  $\times$  240-dot LCD
- Touch Panel (Pen Touch Operation) • User-available RAM: 500 KB
- User-available Flash ROM (Add-in area): 5.3 MB
- Data communication (via USB and 3-pin cables)
- USB cable for connecting with PC
- 3-pin cable for connecting with other ClassPad unit or EA-200

## ■ OPTIONS

- ClassPad Manager Version 3.0 FA-CP330A/B • EA-200 Data Analyzer
- OH-ClassPad 330 SET (Overhead projection model)

Latest OS update for ClassPad 300 series:

<http://edu.casio.com/dl/>



ALGEBRA FX 2.0 PLUS



- Large display (128  $\times$  64 dots)
- Algebra Applications (Computer Algebra System, Algebra, Tutor) • Graphic functions and Graph solve functions • Dynamic graph
- Dual graph (Graph and Table, Graph and Graph)
- Conic section graph • Complex functions
- List function and list-based statistics
- Statistic calculations and graphs
- Graph solve • Integrations
- Differential and quadratic differential calculations
- BASIC-like program functions
- Linear equations from 2 to 30 unknowns
- 2 to 30 order equations
- Matrix operations with complex numbers
- Base- $n$  calculations/conversions
- Add-in application with Flash Memory
- Includes a connecting cable for data transfer between two units
- Data communication (requires optional FA-124USB for connecting with PC)



\*Comes with slide-on hard case

## Main Functions

## Algebra Applications

## Computer Algebra System (CAS)



Using the Computer Algebra System (CAS), students can factor expressions, find limits of functions and calculate derivatives, integration and Taylor series expressions.

The CAS is a CASIO original algebra system that was devised through the cooperation of CASIO engineers, Professor John Kenelly, and other math instructors. It directly incorporates advice and suggestions from math teachers.

Factorization	Differential	Taylor expansion
$rFactor(X^2+8)$ $(X-2)(X+2)$	$diff(e^{\sin X}, X)$ $e^{\sin X} \cdot \cos(X)$	$taylor(\sin X, X, 9)$ $\frac{1}{362880} X^9 - \frac{1}{51840} X^7 + \frac{1}{12096} X^5 - \frac{1}{12096} X^3 + X$

## Algebra



## Easy equation manipulation by students

The Algebra application makes it possible for students to expand and simplify equations on their own as they derive solutions. After learning to solve problems using the Tutor application (see below), students can use the Algebra application to master the steps of solving algebra problems.

## Step-by-step View

Easy-to-follow steps guide students to the solution.

$rA+B=C$ $rA+C=B-C$	$exp(1)-B$ $rA+C=B-C-B$	$rB+C=exp(2)$ $rA=-B+C$
------------------------	----------------------------	----------------------------

## Tutor



Like having your own personal tutor always on hand to guide you along the way!

The TUTOR application guides student to the final solution, much like a teacher does in the classroom. The TUTOR application has three modes.

- Auto • Manual • Verify

# Graphic Models

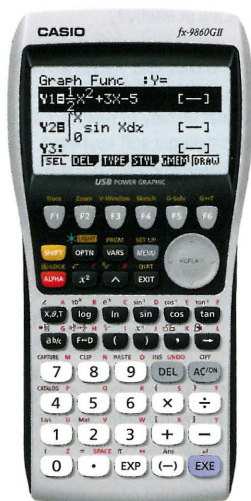
With Natural-V.P.A.M. and backlit display.  
The next-generation graphic scientific calculator.



**NEW**

fx-9860GII SD

• SD memory card not included



**NEW**

fx-9860GII

- OVER 2,900 FUNCTIONS
- 62,000 bytes
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 21 characters by 8 lines
- 10+2 DIGITS
- ICON MENU
- DOT MATRIX
- Plastic Keys
- SD CARD

\*SD model only.



\* Comes with slide-on hard case.

## User-friendly Interface

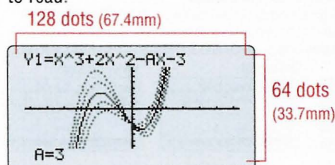
- Rectangular coordinate graphing, Polar coordinate graphing • Integration graph
- Parametric function graphing, Inequality graphing • Trace, Zoom (box zoom, zoom in, zoom out, auto zoom) • Table and Graph • Dual Graph (table and graph, graph and graph) • Sketch (tangent line, normal line, inverse function) • Solve (root, minimum, maximum, intersection, integration) • Dynamic graph • Conic section graph
- Recursion graph • List-based one-variable and two-variable statistical analysis
- Statistical regression calculations • Statistical plot (scatter plot,  $xy$ Line, normal probability plot, histogram, box plot) • Statistical regression graphs (linear, med-med, quadratic, cubic, quartic, logarithmic, exponential, power, sinusoidal, logistic regression) • Advanced statistical calculations: tests (Z-test, t-test, Chi square test, F-test, ANOVA), intervals (Z-interval, t-interval), distributions • Pie chart • Bar graph
- Power functions (square root, cubic root, square, power, radical root) • GCD/LCM • Coordinate conversion (Pol, Rec)
- Combination/Permutation ( $nCr$ ,  $nPr$ ) • Factorial, Inverse, random numbers, Fractions • Logical operations • Matrix calculations
- Complex number calculations • Base- $n$  calculations/conversions • List data calculations • Metric Conversion • Natural format equation output • Calculation history • Spreadsheet and statistical plot • Numeric equation solver, simultaneous equations, polynomial equations • Financial calculations • Programming • Icon menu • SD memory card slot (fx-9860GII SD only)
- Data communication • User memory: 62,000 bytes, User Storage memory: 1.5 M bytes



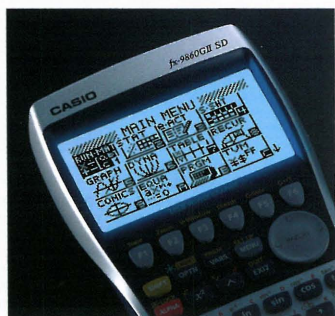
## Hardware Features

### High-resolution LCD

The large  $64 \times 128$ -dot display of the fx-9860GII Series high-resolution LCD produces formulas, graphs and graphics that are sharper, clearer, and easier to read.



fx-9860GII series  
Large  $64 \times 128$  dot display.



Backlight on

### High-speed CPU

A high-performance, high-speed CPU gives fx-9860GII Series calculators processing speeds that are three to five times faster than other brand calculators in their class. Processes and plots encountered in complex calculations and graphics are handled with ease, for enhanced operational efficiency and learning as well.

### Large-capacity 1.5MB Flash Memory

An ample 1.5MB of Flash Memory capacity allows worry-free downloading and storage of data and applications.

### Out-of-the-box USB Operations

A USB cable, unit-to-unit cable and Program-Link Software all are included with the calculator, so high-speed data communication with a computer as well as unit-to-unit data and program transfers can be performed virtually out of the box.



### SD Memory Card Slot (SD model only)

The fx-9860GII SD is equipped with an SD memory card slot for easy data transfers.



Natural textbook display!

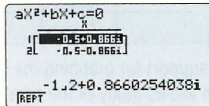
NATURAL-V.P.A.M.

CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.

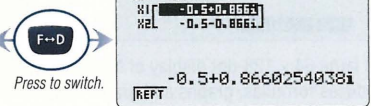
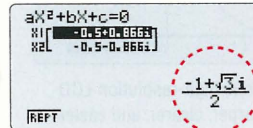
Natural Output

Polynomial equation result

Previous Models



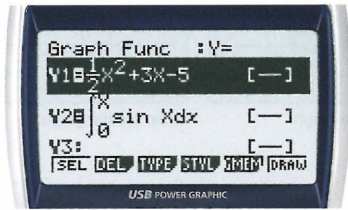
Natural Output Model



Natural Display Format

Also supports display of decimal values.

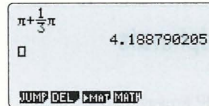
Natural Input



Natural Input now supported in the Graph Mode!

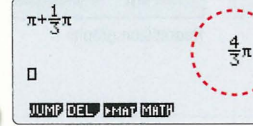
Result of expression with Pi symbol

Previous Models

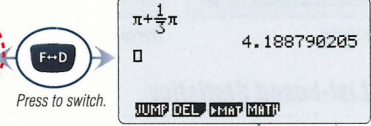


Natural Output Model

Natural Display Format



Also supports display of decimal values.

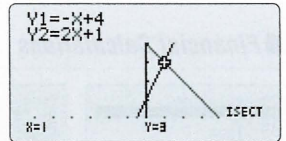
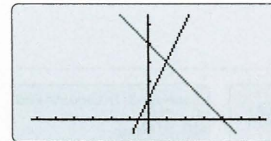
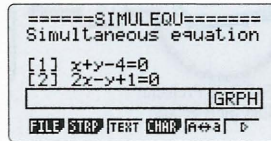
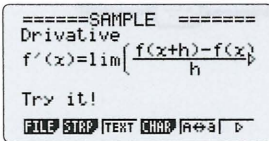


Natural Display Format

Raised numerator display also is supported.

eActivity

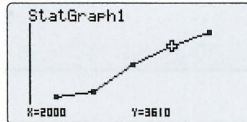
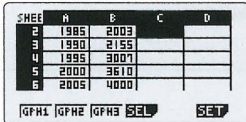
fx-9860GII Series calculators come with the same eActivity capabilities that originally appeared on the ClassPad 330. Now teachers as well as students can create their own problems and study materials. Students get the opportunity to learn at their own pace for more efficient study both at school and at home. eActivity is a great motivator for learning and understanding.



Built-in Software

Spreadsheet

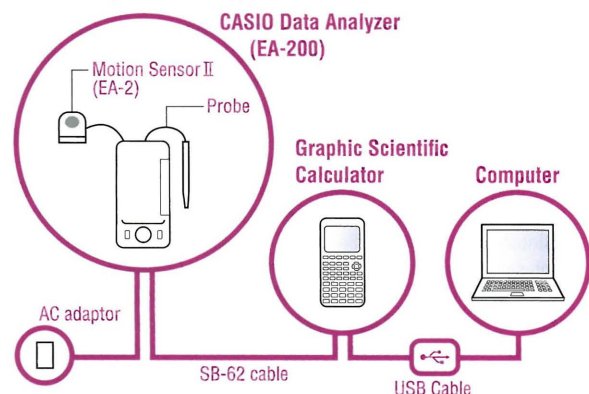
A multi-function spreadsheet with built-in graphing capabilities is a valuable tool for table calculation lesson exercises.



E-CON2

E-CON2 provides total control over the optional EA-200 Data Analyzer. It makes it possible to measure changes in temperature, sound, or speed using the EA-200 without any troublesome settings or program input.

EA-200 System Configuration



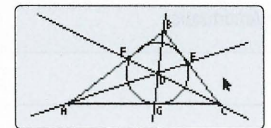
Add-in Software

Pre-installed Software

Pre-installed add-in software comes installed on the calculator when you purchase it. You can use such software as-is, or you can delete it to free up memory.

Geometry

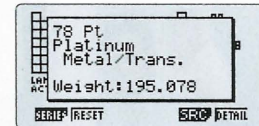
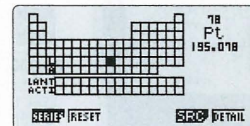
Geometry add-in software is designed to make learning geometry fun.



Downloadable Software

Physium

The Physium add-in provides instant access to the periodic table of elements, whose data can be used in calculations. Often-use elements and atomic symbols can be stored for quick and easy recall whenever you need them.



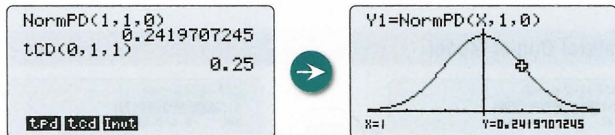
Add-in software can be downloaded from the CASIO website.

<http://edu.casio.com/dl/>



## Other Features

### Probability

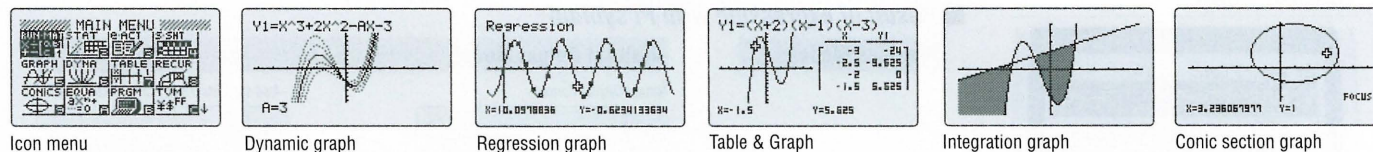


The large 64 × 128-dot display of the fx-9860GII Series high-resolution LCD produces formulas, graphs and graphics that are sharper, clearer, and easier to read.

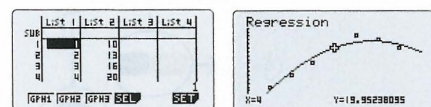
### Inequality Graphing



New support for graphing the inequality of an  $x = \text{Constant}$  graph and  $x = f(y)$  graph allows study of the area for which the  $x$ -range is defined.

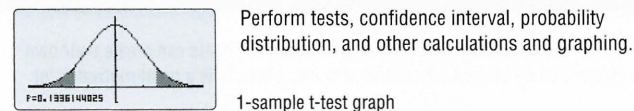


### List-based Statistics

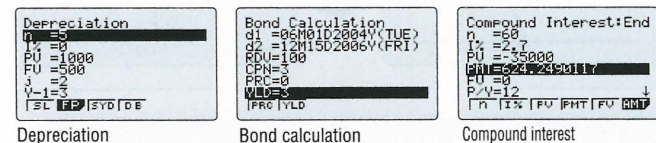


Store a list of values in memory for use when performing function and statistical calculations, when drawing graphs, or when generating tables of numeric values.

### Advanced Statistics

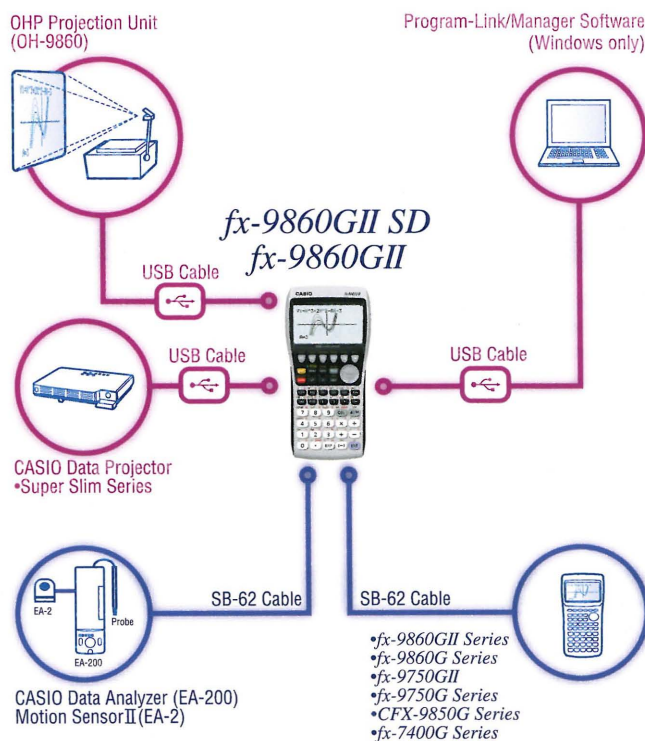


### Financial Calculations

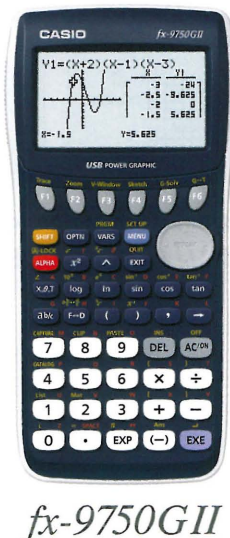


- Depreciation
- Bond calculation
- Simple interest
- Compound interest
- Investment appraisal (cash flow)
- Amortization
- Interest rate conversion (annual percentage rate and effective interest rate)
- Cost, selling price, or margin
- Day or date calculations

### Peripherals



New features give you the tools to create outstanding classroom presentations!



- NEW**
- PRINT 2,800 FUNCTIONS
  - 62,000 bytes
  - List-based STAT
  - Multi-replay
  - 21 characters by 8 lines
  - 10+2 DIGITS
  - ICON MENU
  - DOT MATRIX
  - Plastic Keycap



\* Comes with slide-on hard case.

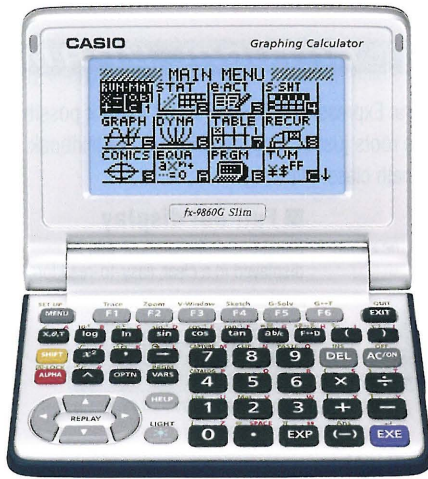
### POWER GRAPHIC

- Dot matrix display (64 × 128 dots)
- Probability
- Inequality Graphing
- Rectangular coordinate graphing, Polar coordinate graphing
- Integration graph
- Parametric function graphing
- Trace, Zoom (box zoom, zoom in, zoom out, auto zoom)
- Table and Graph
- Dual Graph (table and graph, graph and graph)
- Sketch (tangent line, normal line, inverse function)
- Solve (root, minimum, maximum, intersection, integration)
- Dynamic graph
- Conic section graph
- Recursion graph
- List-based one-variable and two-variable statistical analysis
- Statistical regression calculations
- Statistical plot (scatter plot,  $x, y$  Line, normal probability plot, histogram, box plot)
- Statistical regression graphs (linear, med-med, quadratic, cubic, quartic, logarithmic, exponential, power, sinusoidal, logistic regression)
- Advanced statistical calculations: tests (Z-test, t-test, Chi square test, F-test, ANOVA), intervals (Z-interval, t-interval), distributions
- Pie chart
- Bar graph
- Power functions (square root, cubic root, square, power, radical root)
- GCD/LCM
- Coordinate conversion (Pol, Rec)
- Combination/Permutation ( $nCr$ ,  $nPr$ )
- Factorial, Inverse, random numbers, Fractions
- Logical operations
- Matrix calculations
- Complex number calculations
- Base- $n$  calculations/conversions
- List data calculations
- Metric Conversion
- Numeric equation solver, simultaneous equations, polynomial equations
- Programming
- Icon menu
- User memory: 62,000 bytes
- Data communication
- USB port

*A compact and slim body with user-friendly design and interface*

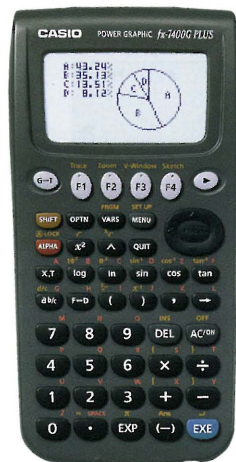
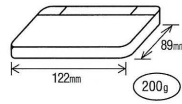
User-friendly Interface

- Large display (128 × 64 dots)
- Graphic functions
- Dynamic graph • Dual graph • Conic section graph
- Regression graph • Graph solve • Integrations
- Differential and quadratic differential calculations
- Complex number calculations • Table and graph
- Recursion graph • List-based statistics
- Advanced statistics • BASIC-like program functions
- Linear equations from two to six unknowns
- Quadratic equations, Cubic equations
- Matrix operations • Base-*n* calculations/conversions
- Financial function • Data communications
- High-resolution LCD • High-speed CPU
- Large-capacity 1.5MB Flash Memory
- Spreadsheet • eActivity • Add-in software
- Ready-to-use USB functions • Backlight
- Help and on-screen guidance



fx-9860G Slim

- 1,000 FUNCTIONS
- 10+2 DIGITS
- 63,000 bytes
- ICON MENU
- NATURAL TEXTBOOK
- DOT MATRIX
- List-based STAT
- Multi-replay
- 21 characters by 8 lines
- Plastic Keys



fx-7400G PLUS

- 406 FUNCTIONS
- 20,000 bytes
- List-based STAT
- 13 characters by 8 lines
- 10 DIGITS
- 9+2 DIGITS
- ICON MENU
- DOT MATRIX

POWER GRAPHIC

- Large display (80 × 48 dots)
- Graphic functions (Rectangular coordinate graph, Parameter graph, Inequality graph, Integration graph, Statistical graph, View window memory, Trace, Box zoom, Sketch function)
- Table and graph • list-based statistics
- Differentials
- Fraction function
- BASIC-like program functions
- Data communication (requires optional FA-124USB for connecting with PC)

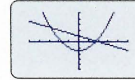


\*Comes with snap-on hard case

Main Functions

GRAPHS

Draws the following types of graphs.



Rectangular coordinates



Parameter graph



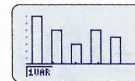
Inequality graph

TRIGONOMETRY

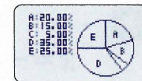
Performs calculations for trigonometric & inverse trigonometric functions.

STATISTICS

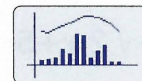
**Standard Deviation** Performs calculations of single-variable statistical data and graphs the result.



Histogram



Pie chart



Bar graph and line graph

Regression

Performs calculations of paired-variable statistical data and graphs the result.

Programmable Models

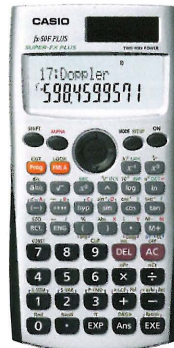


SUPER-FX PLUS  
fx-5800P

- 664 FUNCTIONS
- 28,500 bytes
- NATURAL TEXTBOOK
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

Natural Textbook Display and MORE POWERFUL Program Functions

- Program function • Matrix calculations
- Differential and integration • Recursions
- Solve function • Complex number calculations
- Base-*n* calculations • Data transmission between two fx-5800P calculators • 26 to 2398 variables
- Fraction calculations • 40 scientific constants
- 128 built-in formulas • Multi-replay function
- Statistics (List-based Statistics, Standard deviation, Regression analysis) • Integrated hard case swings back a full 360 degrees.



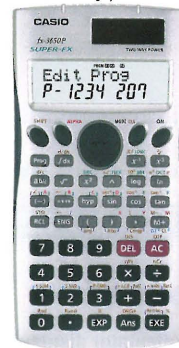
SUPER-FX PLUS  
fx-50F PLUS  
fx-50FH HKEAA approved model

- 406 FUNCTIONS
- STAT-data
- Multi-replay
- 2-LINE DISPLAY
- 10+2 DIGITS
- DOT MATRIX
- TWO WAY POWER
- Plastic Keys

BASIC-like Program, Perfect Algebraic Method, 2-line Display, Multi-replay Function

- Program function • Multi-replay function
- 2-line display • Fraction calculations
- Combination and permutation • 23 built-in formulas • 40 scientific constants
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 7 variables • Plastic keys
- Comes with slide-on hard case

Two-way power



SUPER-FX PLUS  
fx-3650P

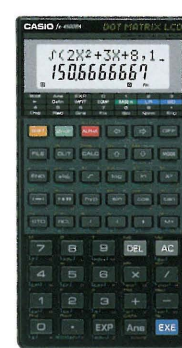
Button-type battery



SUPER-FX PLUS  
fx-3950P

Multi-replay Function, 2-line Display, Perfect Algebraic Method

- Program function • Multi-replay function
- 2-line display • Fraction calculations
- Combination and permutation • Differential and integration • Statistics (STAT-data editor, Standard deviation, Regression analysis)
- Base-*n* calculations/conversions
- Logical operations • Complex number calculations • 7 variables
- Plastic keys • Comes with snap-on hard case



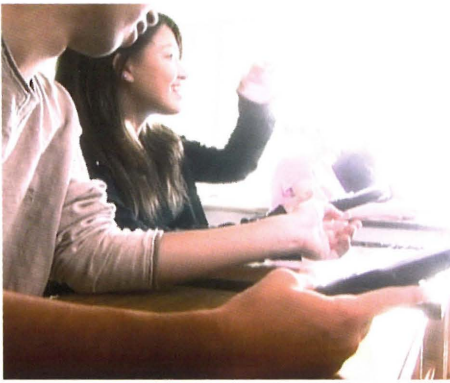
fx-4500PA

- 242 FUNCTIONS
- 2-LINE BIG DISPLAY
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

2-line Display and Program File System

- 2-line display shows formulas and results simultaneously • Versatile program area management: up to 1,103 program steps, and 26 (standard) to 163 variables
- Program file system for storing multiple programs • Replay function
- Engineering symbol calculations
- Formula memory • Integrations
- Statistics (Standard deviation, Regression analysis) • Base-*n* calculations/conversions
- Logical operations

# STANDARD MODELS



## Natural textbook display!

**NATURAL-V.P.A.M.**

CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.

### ■ Natural input

Input expressions and arithmetic operations as they appear in written form.

### ■ Natural output

Calculation results appear in the same format as they are written.

### ■ Full dot display

Equations and statistical data is displayed in a clear, easy-to-read format.

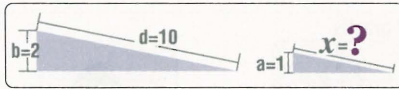
\*Conventional input method can also be used.

## New feature! No one upgrades the classroom environment like CASIO!

### Ratio calculation 95ES PLUS

Select the ratio type and enter the non-x coefficients...

$$a:b=x:d \rightarrow 1:2=x:10$$



The calculator displays the value of x.

$$x=5$$

1 Select the ratio type.

2 Enter the non-x coefficients.

3 Enter the non-x coefficients.

4 X-value appears on the display.

### New equation mode 95ES PLUS 570ES PLUS 991ES PLUS

Input an equation...

$$3x^2 + \sqrt{2}x + 5 = 0$$

The calculator displays a solution using  $\sqrt{\quad}$  and fractions.

$$x = -\frac{\sqrt{2}}{6} \pm \frac{\sqrt{58}}{6}i$$

Decimal value display

1 Input an equation.

$\sqrt{\quad}$  and fraction display

### Inequality 95ES PLUS

Select the inequality type and enter the non-x coefficients...

$$x^2 + 2x - 15 < 0$$

The calculator displays the solution of the inequality

$$-5 < x < 3$$

1 Select the inequality expression type.

2 Select the inequality symbol type.

3 Enter the non-x coefficients.

4 The inequality solution appears on the display.

## The ES PLUS Series now is easier to use than ever!

### Prime factorization 82ES PLUS 85ES PLUS 350ES PLUS 95ES PLUS

Determine the integers for a sum of -15 and a product of 56...

**Problem:** Factor  $x^2 - 15x + 56$ .  
**Result:**  $(x-8)(x-7)$

Input 56.

The calculator displays the factors.  
 $56 = 2^3 \times 7$

Factor display



### Random integers 82ES PLUS 85ES PLUS 350ES PLUS 95ES PLUS 570ES PLUS 991ES PLUS

Specify the range of random integers you want to generate...

The calculator displays a random integer.

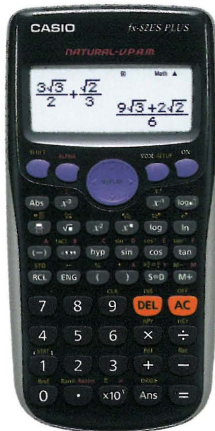


A random integer is displayed each time the equals (=) key is pressed.



Natural-V.P.A.M. Models

AAA-size (R03) battery



(Black)



(White)

- 252 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

fx-82ES PLUS

Two-way power



fx-85ES PLUS

- 252 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

AAA-size (LR03) battery



fx-350ES PLUS

- 252 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

New functions: • Prime factorization • Random integers

Standard functions:

- Fraction calculations • Combination and permutation • Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 9 variables • Table function • Comes with new slide-on hard case

Coordinate transformation

$$P_0\left(\frac{1}{8}, \frac{\sqrt{3}}{8}\right)$$

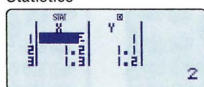
$$r=0.25, \theta=60$$

Power calculation

$$2^2+3^3+4^4$$

$$287$$

Statistics



Data registration

$$1.376315789$$

Regression calculation

$$\Sigma x^2$$

$$7.13$$

$\Sigma x^2$  value calculation

Trigonometry

$$\cos(30)$$

$$\frac{\sqrt{3}}{2}$$

\* During trigonometric calculations, only values that are a multiple of 15 can be displayed using square root form.

Table function

$$f(X)=X^2+\frac{1}{2}$$

Formula registration



$$\text{Start?}$$

$$1$$

Start value input

$$\text{End?}$$

$$5$$

End value input

$$\text{Step?}$$

$$1$$

Set up step value



Table calculation

AAA-size (R03) battery



fx-95ES PLUS

- 272 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

New functions: • Prime factorization • Ratio calculation • New equation mode • Inequality • Random integers

Standard functions:

- Fraction calculations • Combination and permutation • Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 9 variables • Table function • Comes with new slide-on hard case

fx-82ES PLUS/85ES PLUS/350ES PLUS functions, in addition to:

- Equation calculations

Equation menu

$$1: a_nX+bnY=C_n$$

$$2: a_nX+bnY+cnZ=d_n$$

$$3: aX^2+bX+c=0$$

$$4: aX^3+bX^2+cX+d=0$$

Simultaneous linear equations

$$X=$$

$$-\frac{1}{13}$$



$$Y=$$

$$\frac{18}{13}$$

Quadratic equation

$$X_1=$$

$$-\frac{\sqrt{2}}{2} + \frac{\sqrt{6}}{2}i$$



$$X_2=$$

$$-\frac{\sqrt{2}}{2} - \frac{\sqrt{6}}{2}i$$

Cubic equation

$$X_1=$$

$$-5$$



$$X_2=$$

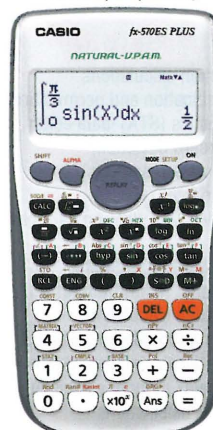
$$2$$



$$X_3=$$

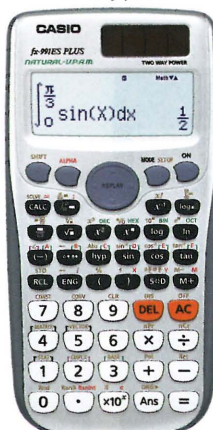
$$1$$

AAA-size (R03) battery



fx-570ES PLUS

Two-way power



fx-991ES PLUS

- 417 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

- 417 FUNCTIONS
- NATURAL V.P.A.M.
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

New functions: • New equation mode • Random integers

Standard functions:

- Fraction calculations • Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 9 variables • Table function • Comes with new slide-on hard case

fx-82ES PLUS/85ES PLUS/350ES PLUS functions, in addition to:

- Equation calculations • Integration/differential calculations • Matrix calculations
- Vector calculations • Complex number calculations • CALC function
- SOLVE function • Base-n calculation

Integration

$$\int_0^2 \frac{1}{2} dx$$

$$1$$

Complex number calculations

$$\frac{-3+2i}{2+i}$$

$$-\frac{4}{5} + \frac{7}{5}i$$

Differential

$$\frac{d}{dx}(\sin(x)) \Big|_{x=\frac{\pi}{2}}$$

$$0$$

Vector

$$A \begin{bmatrix} -1 \\ 0 \\ 1 \end{bmatrix}$$

$$-1$$

Matrix operations

$$\text{MatA}(m \times n) \quad m \times n?$$

$$1: 3 \times 3 \quad 2: 3 \times 2$$

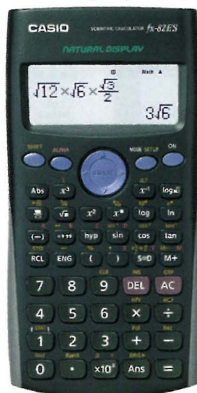
$$3: 3 \times 1 \quad 4: 2 \times 3$$

$$5: 2 \times 2 \quad 6: 2 \times 1$$

$$A \begin{bmatrix} -1 & 1 & -3 \\ 1 & -1 & -5 \\ 1 & -1 & 2 \end{bmatrix}$$

## Natural Display Models

AAA-size (R03) battery



*fx-82ES*

Two-way power



*fx-85ES*

AAA-size (LR03) Alkaline battery



*fx-350ES*

249 FUNCTIONS

NATURAL TEXTBOOK

List-based STAT

Multi-replay

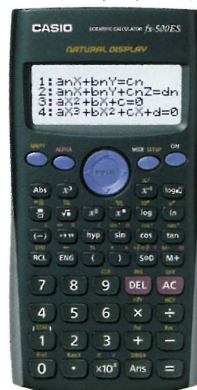
10+2 DIGITS

DOT MATRIX

Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

AAA-size (R03) battery



*fx-500ES*

253 FUNCTIONS

NATURAL TEXTBOOK

List-based STAT

Multi-replay

10+2 DIGITS

DOT MATRIX

Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

**fx-82ES/85ES/350ES functions, in addition to:**

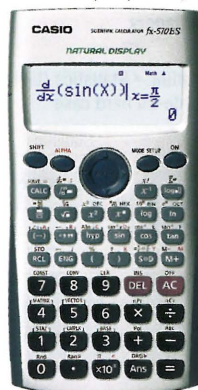
- Equation calculations

Two-way power



*fx-991ES*

AAA-size (R03) battery



*fx-570ES*

403 FUNCTIONS

NATURAL TEXTBOOK

List-based STAT

Multi-replay

10+2 DIGITS

DOT MATRIX

Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

**fx-82ES/85ES/350ES functions, in addition to:**

- Equation calculations
- Integration/differential calculations
- Matrix calculations
- Vector calculations
- Complex number calculations
- CALC function
- SOLVE function
- Base-*n* calculation

## S-V.P.A.M. Models

AA-size battery



*fx-82MS*

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

240 FUNCTIONS

S-V.P.A.M.

STAT-data

Multi-replay

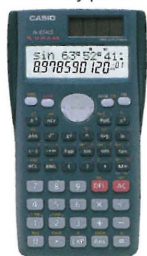
2-LINE DISPLAY

10+2 DIGITS

DOT MATRIX

Plastic Keys

Two-way power



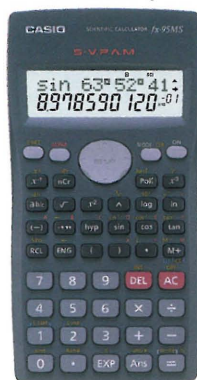
*fx-85MS*

Button-type battery



*fx-350MS*

AA-size battery



*fx-95MS*

244 FUNCTIONS

S-V.P.A.M.

STAT-data

Multi-replay

2-LINE DISPLAY

10+2 DIGITS

DOT MATRIX

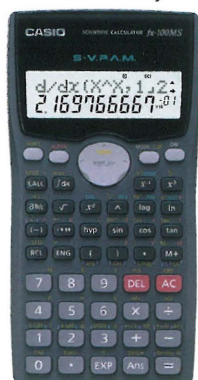
Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

**fx-82MS/85MS/350MS functions, in addition to:**

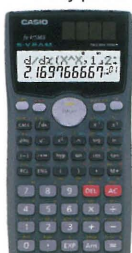
- Equation calculations

AA-size battery



*fx-100MS*

Two-way power



*fx-115MS*

300 FUNCTIONS

S-V.P.A.M.

STAT-data

Multi-replay

2-LINE DISPLAY

10+2 DIGITS

DOT MATRIX

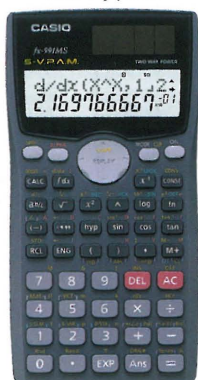
Plastic Keys

- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

**fx-82MS/85MS/350MS functions, in addition to:**

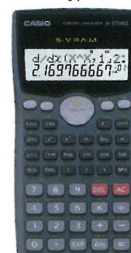
- Equation calculations
- Integration/differential calculations
- Base-*n* calculations/conversions
- Complex number calculations

Two-way power



*fx-991MS*

Button-type battery



*fx-570MS*

401 FUNCTIONS

S-V.P.A.M.

STAT-data

Multi-replay

2-LINE DISPLAY

10+2 DIGITS

DOT MATRIX

Plastic Keys

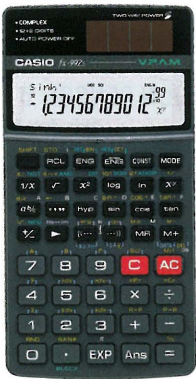
- Fraction calculations
- Combination and permutation
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 9 variables
- Comes with slide-on hard case

**fx-82MS/85MS/350MS functions, in addition to:**

- Equation calculations
- Integration/differential calculations
- Base-*n* calculations/conversions
- Complex number calculations
- Matrix calculations
- Vector calculations
- 40 scientific constants

V.P.A.M. Model

Two-way power



fx-992s

Built-in complex number calculations plus 128 scientific constants

- Statistical calculations
- Engineering symbol calculations
- Base-n calculations/conversions

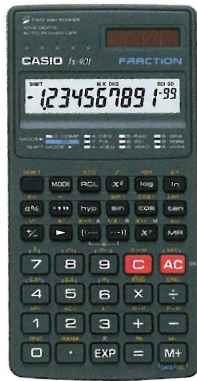
383 FUNCTIONS  
V.P.A.M.  
12+2 DIGITS



\* Comes with slide-on hard case

Entry Model

Two-way power



fx-901

150 FUNCTIONS  
10+2 DIGITS

Includes cube calculations and angle unit conversions

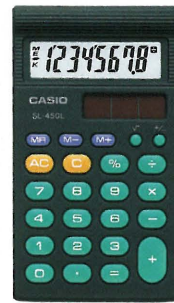
- Fraction functions
- Combination and Permutation



\* Comes with slide-on hard case

School Cal

Tough, durable design with classroom features.



SL-450L 8 DIGITS

- Display: LCD • Digits: 8
- Simple algebraic logic
- Independent memory • %
- Profit Margin % •  $\sqrt{\quad}$  • +/-
- 3-digit comma markers
- Power supply: solar
- Dimensions: 7.8(H) x 67(W) x 120(D) mm
- Approximate weight: 47 g



\* Comes with slide-on hard case

Financial Consultant

Two-way power



FINANCIAL CONSULTANT FC-200V

4-LINE DISPLAY  
DOT MATRIX  
10+2 DIGITS  
Plastic Keys

Powerful, original Financial Consultant features take much of the work out of financial calculations!

Direct mode key

A bank of mode keys provides you with one-touch access to the mode you need.

**Compound interest**  
Payment period, interest rate, deposit amount, future value

**Investment Appraisal (cash flow)**  
Net present value method, internal rate of return method, payback period method, etc.

**Amortization**  
Monthly payment, principal and interest to date

**General and function**  
Virtually the same functions as a standard calculator.

**Simple interest**  
Interest amount, principal and interest

**Statistical and regression**  
Statistical calculations using input sample data.

**Interest rate conversion**  
Nominal interest rate and effective interest rate conversion

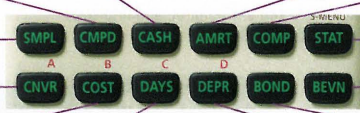
**Break-even point**  
Six modes for calculation of break-even point, etc.

**Cost, selling price, or margin**  
Calculation of any of the above values after inputting the other two

**Day or date calculations**  
Virtually the same as a standard calculator, with some variation in the input method

**Depreciation**  
Straight-line method, declining balance method

**Bond calculation**  
Purchase price, annual yield



Investment Appraisal (cash flow)

NPV=16165.85599

Break-even point

VCU=15  
FC=15000  
I% = 45  
RR=45558.14129

Depreciation

FP=24981.80255  
RDV=70426.64735  
J=5

Compound interest

I% = 0.78535454  
PV = -50000  
PMT = 0  
FV = 52000

Bond calculation

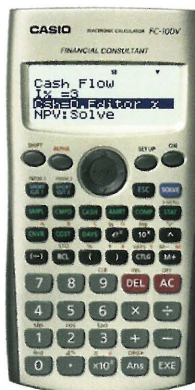
PRC = -95.385821  
INT = -0.966850829  
CST = -96.35267183

Interest rate conversion

APR = 2.471803524

	FC-200V	FC-100V
Simple interest	●	●
Compound interest	●	●
Investment Appraisal (cash flow)	●	●
Amortization	●	●
Interest rate conversion	●	●
Cost, selling price or margin	●	●
Day or date calculations	●	●
Depreciation	●	—
Bond calculation	●	—
Break-even point	●	—
General and Function	●	●
Statistical and regression	●	●

AAA-size (R03) battery



FINANCIAL CONSULTANT FC-100V

4-LINE DISPLAY  
DOT MATRIX  
10+2 DIGITS  
Plastic Keys

Easy operation with parameters

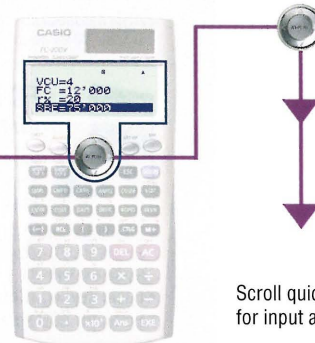
A full-dot 4-line display provides easier scrolling between parameters and simplifies input, confirmation, and editing.

Compound Int.  
Set:End  
n = 5  
I% = 0.787498852  
PV = -50000  
PMT = 0

Set:End  
n = 5  
I% = 0.787498852  
PV = -50000

Compound Int.  
Set:End  
n = 5  
I% = 0.787498852  
PV = -50000  
PMT = 0

Recalculation and transformation at the press of a key.



Compound Int.  
Set:End  
n = 5  
I% = 0

Compound Int.  
Set:End  
n = 5  
I% = 0  
PV = -50000  
PMT = 0

n = 5  
I% = 0  
PV = -50000  
PMT = 0  
FV = 52000  
P/Y = 1

Scroll quickly and easily between values for input and checking.

- Plastic keys
- Comes with new slide-on hard case
- Power supply: Solar cell and a single G13 type button battery (LR44) (FC-200V)/ One AAA-size battery (FC-100V)
- Approximate battery life: 3 years (1hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- Dimensions: FC-200V/12.2(H) x 80(W) x 161(D) mm, FC-100V/13.7(H) x 80(W) x 161(D) mm
- Approximate weight: FC-200V/105g, FC-100V/110g

Calculate the result.

The result appears immediately after you press the SOLVE key.



Create shortcuts.

Once you use a parameter value or setting in a calculation, you can assign it to a shortcut key for instant recall whenever you need it. This feature is great for repeat calculations.



## Data Analysis System Quick and accurate collection supports data analysis.



EA-200

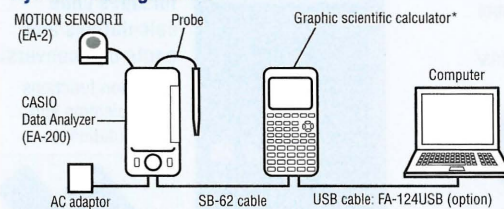
- Collect data at rates of up to 50,000 points per second for up to 120,000 points.
- Compatible with the CASIO fx-7400 series, CFX-9850 series, ALGEBRA FX 2.0 series, fx-9860G series, and ClassPad series.

### Includes:

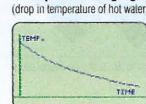
- CASIO Data Analyzer
- Temperature probe
- Optical probe
- Voltage probe
- Data communication cable: SB-62
- AC adaptor: AD-A60024
- Soft case
- Four AA-size alkaline batteries

\* Data transfer to Classpad series is possible only via main 3-pin port, not via sub ports.

### System Configuration



### Example of changing temperature data over time



(drop in temperature of hot water) \* ClassPad 330/fx-9860GII SD/fx-9860GII/fx-9860G Slim/fx-9860G SD/fx-9860G/fx-9750GII/ClassPad 300 PLUS/ClassPad 300/ALGEBRA FX 2.0 PLUS/FX 1.0 PLUS/ALGEBRA FX 2.0/FX 1.0/CFX-9850GB PLUS/CFX-9850GC PLUS/CFX-9850GB PLUS/fx-9750G/fx-9750G PLUS/fx-9750G PLUS/fx-7450G/fx-7400G PLUS/RM-ALGEBRA FX 2.0/RM-ClassPad PLUS/RM-7000/RM-9000/RM-9850Ga PLUS/OH-ClassPad 330/OH-ALGEBRA FX 2.0/OH-9000/OH-9850Ga PLUS/OH-9850G PLUS

### MOTION SENSOR II



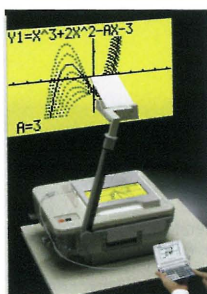
EA-2

\*Supplies extremely limited



The EA-2 emits ultrasonic pulses and detects pulses returned as echoes from the target. It can be connected to the CASIO EA-200 Data Analyzer to accumulate and analyze data.

## OHP Projection Unit



OH-9860  
Makes lessons more interesting

Simply use a USB cable to connect an fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim calculator to the OH-9860 to project the contents of the calculator display. This option lets students or teachers connect and project for classroom presentations. All of this makes class activities more interesting and challenging, and improves student learning and understanding.

A powerful classroom presentation tool!  
OHP projects display contents onto a big screen!



OH-300ES PLUS  
OH-300ES  
OH-300MS

- OH-300ES PLUS provides the same powerful functions as the fx-82ES PLUS/85ES PLUS/350ES PLUS.
- OH-300ES provides the same powerful functions as the fx-82ES/85ES/350ES.
- OH-300MS provides the same powerful functions as the fx-82MS/85MS/350MS.



Simply place this transparent option onto an OHP to project its image and explain both screen contents and key operations.

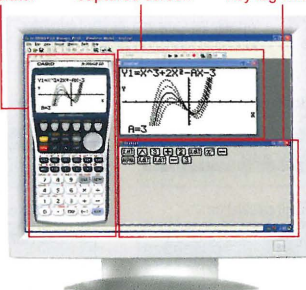
## Graphic Scientific Calculator Projection Set



Simply place the supplied calculator onto an OHP unit to project screen contents onto a screen for easy viewing by everyone in the classroom. The calculator can be controlled remotely by a hand-held calculator.

## Software

Simulator Captured screen Key log window



FA-9860A Ver. 2.0 • fx-Manager PLUS (Single License) **NEW**

FA-9860B Ver. 2.0 • fx-Manager PLUS (School License) **NEW**

- fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim Calculator Emulation Mimics calculator operation using a computer mouse and keyboard.
- Copy and paste between the Spreadsheet application and Excel®
- Key-Log Editor Key-Log auto play of recorded key operations Step playback
- Emulator LCD screen capture
- Screen Receiver

### System Requirements

Operating System: Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit) Others: Microsoft® Excel® 2000, Microsoft® Excel® 2003, or Microsoft® Excel® 2007

### All the functions of the ClassPad 330



OH-ClassPad 330 SET

### Includes:

- Graphic scientific unit: OH-ClassPad 330 (same functions as ClassPad 330)
- Projection unit: OH-30
- Data transfer cable: SB-62
- PC-Link cable: USB
- Carrying bag

### All the functions of the ALGEBRA FX 2.0 PLUS

OH-ALGEBRA FX 2.0 SET

### Includes:

- Graphic scientific unit: OH-ALGEBRA FX 2.0 (same functions as ALGEBRA FX 2.0 PLUS)
- Projection unit: OH-15
- Data transfer cable: SB-62
- PC-Link cable: SB-87
- AC adaptor: AD-A60024
- Carrying bag

### ClassPad Manager for ClassPad 330 Ver. 3.0

• FA-CP330A Ver. 3.0 (Single License) • FA-CP330B Ver. 3.0 (School License)

- Laplace Transform/Fourier Transform • Geometry Application • Financial Function • Differential Equation Application
- Spreadsheet Application • Data communication with ClassPad 330 series calculators

System Requirements Computer: Recommended Intel® Pentium® III 500 MHz with USB Operating Systems: Windows® 98SE/Me, Windows® 2000/XP, Windows Vista® Disk Space: 100 MB available for installation Memory: Recommended for operating system

### FC EMULATOR (for FC-100V/FC-200V) **NEW**

- Easy emulator image resizing
- Easy LCD window resizing
- Easy captured LCD image resizing

- Emulation of FC-100V/200V Emulation of FC-100V/200V calculator operation using your computer mouse and keyboard.
- Basic KeyLog (Copy and paste only)
- Emulator LCD screen image capture

### System Requirements

Operating Systems: Windows® 2000, Windows® XP, Windows Vista® \*For Windows Vista, operation is supported for 32-bit versions only; 64-bit versions are not supported.

### fx-ES Emulator (for fx-82ES Series Ver. 1.1)

fx-ES PLUS Emulator (for fx-82ES PLUS Series Ver. 1.1)

- Easy emulator image resizing
- Easy LCD window resizing
- Easy captured LCD image resizing

- Emulation of fx-82ES Series and fx-82ES PLUS Series Emulation of fx-82ES Series and fx-82ES PLUS Series calculator operation using your computer mouse and keyboard.
- Emulator LCD screen image capture

### System Requirements

Operating Systems: Windows® 2000, Windows® XP, Windows Vista® \*For Windows Vista, operation is supported for 32-bit versions only; 64-bit versions are not supported.

## • FA-124USB Data Communication Package **NEW**



Scientific Calculators Specification Table

	Graphic Models							Programmable Models			
	ClassPad 330	ALGEBRA FX 2.0 PLUS	fx-9860GII SD	fx-9860GII	fx-9860G Slim	fx-9750GII	fx-7400G PLUS	fx-5800P	fx-50F PLUS fx-50FH	fx-3650P	
Specifications	Number of functions	(Over 1,500) <sup>*6</sup>	Over 1,500	(Over 2,900) <sup>*6</sup>	(Over 2,900) <sup>*6</sup>	(Over 1,000) <sup>*6</sup>	(Over 2,800) <sup>*6</sup>	406	664	406	279
	Power supply (Main)	AAA x 4	AAA x 4	AAA x 4	AAA x 4	AAA x 2	AAA x 4	AAA x 2	AAA x 1 (LR03)	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + LR44 x 1)
	Power supply (Backup)	—	CR2032 x 1	—	—	—	—	CR2032 x 1	—	—	—
	Approximate battery life Main (hours)	140 (LR03) <sup>*1</sup>	140 (R03) <sup>*2</sup> / 230 (LR03) <sup>*2</sup>	200 (LR03) <sup>*1</sup>	200 (LR03) <sup>*1</sup>	140 (LR03) <sup>*1</sup>	230 (LR03) <sup>*1</sup>	900 (R03) <sup>*2</sup> / 1,500 (LR03) <sup>*2</sup>	1 year <sup>*3</sup>	3 years (LR44) <sup>*3</sup>	3 years (LR44) <sup>*3</sup>
	Approximate battery life Backup (years)	—	2	—	—	—	—	2	—	—	—
	Dimensions HxWxD(mm)	21 x 84 x 189.5	19.5 x 82 x 178	21.2 x 91.5 x 184	21.2 x 91.5 x 184	20.7 x 122 x 89	21.3 x 87.5 x 180.5	23 x 85.5 x 169	15.1 x 81.5 x 163	12.2 x 80 x 161	11.8 x 80 x 159
	Approximate weight (g)	280	213	225	220	200	205	185	150	105	100
	Case style	Snap-on hard	Slide-on hard	Slide-on hard	Slide-on hard	—	Slide-on hard	Snap-on hard	Integrated hard	Slide-on hard	Snap-on hard
	Dot matrix display	160 x 240 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	48 x 80 dots	31 x 96 dots	5 x 7 dots x 16 digits	5 x 6 dots x 12 digits
	Display capacity (characters)	20 x 17	21 x 8	21 x 8	21 x 8	21 x 8	21 x 8	13 x 6	16	16	12
	Mantissa + exponent digits	10 + 3	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 (9 + 2)	10 + 2	10 + 2	10 + 2
	Icon menus	●	●	●	●	●	●	●	—	—	—
	Internal operation digits	15	15	15	15	15	15	15	15	15	12
	Nested parentheses levels	Up to memory	26	26	26	26	26	26	26	24	24
Programming Functions	Program logic	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	
	Memory (bytes)	515,000	146,000	62,000	62,000	63,000	62,000	20,000	28,500	680	360
	Program areas	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	4	4
	Storage memory area (Flash memory)	5.3MB	768KB	1.5MB	1.5MB	1.5MB	—	—	—	—	—
Utilities	Built-in formulas	—	—	—	—	—	—	—	128	23	—
	Natural textbook display / NATURAL-V.P.A.M.	●	—	●	●	●	—	—	●	—	—
	Key rollover function	—	●	●	●	●	●	●	●	●	●
	Replay function	(History)	●	●	●	●	●	●	●	●	●
	Multi-replay functions	(History)	●	●	●	●	●	●	●	●	●
	Replay copy	—	—	—	—	—	—	—	—	—	—
	Backspace	●	—	●	●	●	●	●	●	●	●
	CALC function	—	—	—	—	—	—	—	—	—	—
	SOLVE function	●	●	●	●	●	●	●	●	●	—
	Answer function	●	●	●	●	●	●	●	●	●	—
	Variables	Up to memory	28	28	28	28	28	26	26 – 2398	7	7
	Onboard function manual	—	—	—	—	—	—	—	—	—	—
Syntax help	—	—	—	—	—	—	—	—	—	—	
Auto power off	●	●	●	●	●	●	●	●	●	●	
Special Features	Base-n calculations (Binary/Octal/Hexadecimal)	●	●	●	●	●	—	—	●	●	
	Logical operations	●	●	●	●	●	●	—	●	●	
	Engineering symbol calculations	—	●	●	●	●	●	—	●	—	
	Engineering notation (ENG/ENG)	—	●	●	●	●	●	—	●	●	
	Scientific constants	—	—	—	—	—	—	40	40	—	
CAS	Metric conversions	—	—	●	●	—	—	—	—	—	
	Computer Algebra System	●	●	—	—	—	—	—	—	—	
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin <sup>-1</sup> /cos <sup>-1</sup> /tan <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/sinh <sup>-1</sup> /cosh <sup>-1</sup> /tanh <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	
	Exponential, logarithmic (log, ln, 10 <sup>x</sup> , e <sup>x</sup> )	●	●	●	●	●	●	●	●	●	
	Base specified logarithmic	●	—	●	●	●	●	●	●	—	
	Power and radical root (x <sup>y</sup> , x <sup>√y</sup> )	●	●	●	●	●	●	●	●	●	
	Fraction	●	●	●	●	●	●	●	●	●	
	Percentage calculation (%)	●	—	—	—	—	—	—	—	—	
	Rounding	●	●	●	●	●	●	●	●	●	
	Simplification	—	—	●	●	—	—	—	—	—	
	Integer division	—	—	●	●	—	—	—	—	—	
	GCD/LCM	●	●	●	●	●	●	●	—	—	
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	
	Angle unit conversion (Deg, Rad, Grad)	● / ● / —	●	●	●	●	●	●	●	●	
Factorization into prime factors	—	—	—	—	—	—	—	—	—		
Calculus	Ratio calculation	—	—	—	—	—	—	—	—	—	
	Differentiation calculation	●	●	●	●	●	●	●	—	●	
Algebra	Integration calculation	●	●	●	●	●	●	●	—	●	
	Simultaneous equation	●	● (30 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	—	● (5 unknowns)	—	
	Polynomial equation	●	● (Degree 2-30)	● (Degree 2-6)	● (Degree 2-6)	● (Degree 2, 3)	● (Degree 2-6)	—	● (Degree 2, 3)	—	
	Inequality calculation	●	—	—	—	—	—	—	—	—	
	Table function	●	—	●	●	—	—	—	—	—	
	Matrix calculations	●	●	●	●	●	●	—	●	—	
	Complex number calculation	●	●	●	●	●	●	—	●	●	
Geometry	Geometry Application	●	—	● (Preloaded)	● (Preloaded)	—	—	—	—	—	
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	
	Vector calculations	●	—	—	—	—	—	—	—	—	
Probability	Combination, permutation (nCr, nPr)	●	●	●	●	●	●	●	●	●	
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	
	Random integers	●	—	●	●	—	—	—	—	—	
	List-based STAT data editor	●	—	●	●	●	●	●	●	—	
	Standard deviation	●	●	●	●	●	●	●	●	●	
	Regression analysis	●	●	●	●	●	●	●	●	●	
	Linear regression	●	●	●	●	●	●	●	●	●	
	ab Exponential regression	●	—	●	●	—	—	—	●	—	
	Advanced statistics	●	●	●	●	●	●	—	—	—	
Other regressions	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Log, Exp, Pwr	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	
Finance	Financial function	●	●	●	●	●	—	—	—	—	
	Spreadsheet	●	—	●	●	●	—	—	—	—	
Others	eActivity	●	—	●	●	● (eActivity Guide)	—	—	—	—	
	Data communication	●	●	●	●	●	●	—	—	—	
	Others	Picture, Presentation, 3D graph, DiffEq Graph	Recursions	Recursions Backlight display	Recursions Backlight display	Recursions Backlight display	Recursions	—	Recursions	—	

\*1 Continuous operation (assuming 5 minutes calculation and 55 minutes display per hour) \*2 Continuous display of main menu \*3 1 hour use per day \*4 Continuous display of flashing cursor \*5 When left with power turned off \*6 Changes when OS is updated

# Scientific Calculators Specification Table

## Programmable Models

## Standard Models

		fx-3950P	fx-4500PA	fx-82ES PLUS	fx-85ES PLUS	fx-350ES PLUS	fx-95ES PLUS	fx-570ES PLUS	fx-991ES PLUS	fx-82ES	fx-85ES	fx-350ES	fx-500ES	
Specifications	Number of functions	279	242	252	252	252	274	417	417	249	249	249	253	
	Power supply (Main)	LR44 x 1	CR2032 x 1	AAA x 1 (R03)	Two-way power (Solar + LR44 x 1)	AAA x 1 (LR03)	AAA x 1 (R03)	AAA x 1 (R03)	AAA x 1 (R03)	Two-way power (Solar + LR44 x 1)	AAA x 1 (R03)	Two-way power (Solar + LR44 x 1)	AAA x 1 (LR03)	AAA x 1 (R03)
	Power supply (Backup)	—	CR2032 x 1	—	—	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	9,000 <sup>+1</sup> / 3 years <sup>+5</sup>	5,000 <sup>+4</sup>	17,000 <sup>+4</sup>	3 years (LR44) <sup>+3</sup>	8,700 <sup>+1</sup>	17,000 <sup>+4</sup>	17,000 <sup>+4</sup>	17,000 <sup>+4</sup>	3 years (LR44) <sup>+3</sup>	17,000 <sup>+4</sup>	3 years (LR44) <sup>+3</sup>	8,700 <sup>+1</sup>	17,000 <sup>+4</sup>
	Approximate battery life Backup (years)	—	2	—	—	—	—	—	—	—	—	—	—	—
	Dimensions HxWxD(mm)	11.8 x 80 x 159	9.9 x 73 x 141.5	13.8 x 80 x 162	11.1 x 80 x 162	13.8 x 80 x 162	13.8 x 80 x 162	13.8 x 80 x 162	13.8 x 80 x 162	11.1 x 80 x 162	13.7 x 80 x 161	12.2 x 80 x 161	13.7 x 80 x 161	13.7 x 80 x 161
	Approximate weight (g)	100	85	100	95	100	100	100	100	95	110	105	110	110
	Case style	Snap-on hard	Wallet	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard
	Dot matrix display	5 x 6 dots x 12 digits	5 x 7 dots x 12 digits	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots	31 x 96 dots
	Display capacity (characters)	12	12	15	15	15	15	15	15	15	15	15	15	15
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus	—	—	—	—	—	—	—	—	—	—	—	—	—
	Internal operation digits	12	12	15	15	15	15	15	15	15	15	15	15	15
	Nested parentheses levels	24	24	24	24	24	24	24	24	24	24	24	24	24
Programming Functions	Program logic	●	●	—	—	—	—	—	—	—	—	—	—	
	Memory (bytes)	360	1,103	—	—	—	—	—	—	—	—	—	—	
	Program areas	4	Up to memory	—	—	—	—	—	—	—	—	—	—	
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—	—	—	
	Built-in formulas	—	—	—	—	—	—	—	—	—	—	—	—	
Utilities	Natural textbook display / NATURAL-V.P.A.M.	—	—	●	●	●	●	●	●	●	●	●	●	
	Key rollover function	●	●	●	●	●	●	●	●	●	●	●	●	
	Replay function	●	●	●	●	●	●	●	●	●	●	●	●	
	Multi-replay functions	●	—	●	●	●	●	●	●	●	●	●	●	
	Replay copy	—	—	—	—	—	—	—	—	—	—	—	—	
	Backspace	●	●	●	●	●	●	●	●	●	●	●	●	
	CALC function	—	●	—	—	—	—	—	—	—	—	—	—	
	SOLVE function	—	—	—	—	—	—	—	—	—	—	—	—	
	Answer function	●	●	●	●	●	●	●	●	●	●	●	●	
	Variables	7	26 – 163	9	9	9	9	9	9	7	7	7	7	
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—	—	
	Syntax help	—	—	—	—	—	—	—	—	—	—	—	—	
Auto power off	●	●	●	●	●	●	●	●	●	●	●	●		
Special Features	Base- <i>n</i> calculations (Binary/Octal/Hexadecimal)	●	●	—	—	—	—	●	●	—	—	—	—	
	Logical operations	●	●	—	—	—	—	●	●	—	—	—	—	
	Engineering symbol calculations	—	●	—	—	—	—	—	—	—	—	—	—	
	Engineering notation (ENG/ENG)	●	●	●	●	●	●	●	●	●	●	●	●	
	Scientific constants	—	—	—	—	—	—	40	40	—	—	—	—	
Metric conversions	—	—	—	—	—	—	40	40	—	—	—	—		
CAS	Computer Algebra System	—	—	—	—	—	—	—	—	—	—	—	—	
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin <sup>-1</sup> /cos <sup>-1</sup> /tan <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	●	●	●	
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/sinh <sup>-1</sup> /cosh <sup>-1</sup> /tanh <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	●	●	●	
	Exponential, logarithmic (log, ln, 10 <sup>x</sup> , e <sup>x</sup> )	●	●	●	●	●	●	●	●	●	●	●	●	
	Base specified logarithmic	—	—	—	—	—	—	—	—	—	—	—	—	
	Power and radical root (x <sup>y</sup> /x <sup>√</sup> )	●	●	●	●	●	●	●	●	●	●	●	●	
	Fraction	●	●	●	●	●	●	●	●	●	●	●	●	
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●	●	●	●	
	Rounding	●	●	●	●	●	●	●	●	●	●	●	●	
	Simplification	—	—	—	—	—	—	—	—	—	—	—	—	
	Integer division	—	—	—	—	—	—	—	—	—	—	—	—	
	GCD/LCM	—	—	—	—	—	—	—	—	—	—	—	—	
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●	●	●	
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●	●	●	
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●	●	
	Angle unit conversion (Deg, Rad, Grad)	●	—	●	●	●	●	●	●	●	●	●	●	
Factorization into prime factors	—	—	●	●	●	●	—	—	—	—	—	—		
Ratio calculation	—	—	—	—	—	—	●	—	—	—	—	—		
Calculus	Differentiation calculation	●	—	—	—	—	—	●	●	—	—	—	—	
	Integration calculation	●	●	—	—	—	—	●	●	—	—	—	—	
Algebra	Simultaneous equation	—	—	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—	—	—	● (3 unknowns)	
	Polynomial equation	—	—	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—	—	—	● (Degree 2, 3)	
	Inequality calculation	—	—	—	—	—	—	—	—	—	—	—	—	
	Table function	—	—	●	●	●	●	●	●	●	●	●	●	
	Matrix calculations	—	—	—	—	—	—	—	—	—	—	—	—	
Complex number calculation	●	—	—	—	—	—	—	—	—	—	—	—		
Geometry	Geometry Application	—	—	—	—	—	—	—	—	—	—	—	—	
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●	●	●	
	Vector calculations	—	—	—	—	—	—	—	—	—	—	—	—	
Probability	Combination, permutation ( <i>nCr</i> , <i>nPr</i> )	●	●	●	●	●	●	●	●	●	●	●		
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●	●	●	
	Random integers	—	—	●	●	●	●	●	●	—	—	—	—	
	List-based STAT data editor	—	—	●	●	●	●	●	●	—	—	—	—	
	Standard deviation	●	●	●	●	●	●	●	●	●	●	●	●	
	Regression analysis	●	●	●	●	●	●	●	●	●	●	●	●	
	Linear regression	—	●	●	●	●	●	●	●	●	●	●	●	
	<i>ab</i> Exponential regression	—	—	●	●	●	●	●	●	●	●	●	●	
	Advanced statistics	—	—	—	—	—	—	—	—	—	—	—	—	
Other regressions	Log, Exp, Pwr, Inv, Quad	—	—	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	
Finance	Financial function	—	—	—	—	—	—	—	—	—	—	—	—	
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—	—	—	—	
Others	eActivity	—	—	—	—	—	—	—	—	—	—	—	—	
	Data communication	—	—	—	—	—	—	—	—	—	—	—	—	
Others	Others	—	—	—	—	—	—	—	—	—	—	—	—	

Scientific Calculators Specification Table

		Standard Models											
		fx-991ES	fx-570ES	fx-82MS	fx-85MS	fx-350MS	fx-95MS	fx-100MS	fx-115MS	fx-991MS	fx-570MS	fx-992S	fx-901
Specifications	Number of functions	403	403	240	240	240	244	300	300	401	401	383	150
	Power supply (Main)	Two-way power (Solar + LR44 x 1)	AAA x 1 (R03)	AA x 1	Two-way power (Solar + LR44 x 1)	LR44 x 1	AA x 1	AA x 1	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + LR44 x 1)	LR44 x 1	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + LR44 x 1)
	Power supply (Backup)	—	—	—	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	3 years (LR44) <sup>+3</sup>	17,000 <sup>+4</sup>	17,000 <sup>+4</sup> / 2 years <sup>+5</sup>	3 years (LR44) <sup>+3</sup>	9,000 <sup>+4</sup> / 3 years <sup>+5</sup>	17,000 <sup>+4</sup> / 2 years <sup>+5</sup>	17,000 <sup>+4</sup> / 2 years <sup>+5</sup>	3 years (LR44) <sup>+3</sup>	3 years (LR44) <sup>+3</sup>	9,000 <sup>+4</sup> / 3 years <sup>+5</sup>	3 years (LR44) <sup>+3</sup>	3 years (LR44) <sup>+3</sup>
	Approximate battery life Backup (years)	—	—	—	—	—	—	—	—	—	—	—	—
	Dimensions H x W x D (mm)	12.2 x 80 x 161	13.7 x 80 x 161	18.6 x 85 x 156	12.2 x 85 x 155	12.2 x 85 x 155	19.5 x 78 x 155	20 x 78 x 155	12.7 x 78 x 154.5	12.7 x 78 x 154.5	12.7 x 78 x 154.5	8.8 x 73 x 144	13.5 x 73 x 144.5
	Approximate weight (g)	105	110	125	100	100	130	133	105	105	105	74.3	67
	Case style	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard
	Dot matrix display	31 x 96 dots	31 x 96 dots	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits	5 x 5 dots x 4 digits
	Display capacity (characters)	15	15	12	12	12	12	12	12	12	12	12	—
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus	—	—	—	—	—	—	—	—	—	—	—	—
	Internal operation digits	15	15	12	12	12	12	12	12	12	12	14	12
	Nested parentheses levels	24	24	24	24	24	24	24	24	24	24	18	18
Programming Functions	Program logic	—	—	—	—	—	—	—	—	—	—	—	
	Memory (bytes)	—	—	—	—	—	—	—	—	—	—	—	
	Program areas	—	—	—	—	—	—	—	—	—	—	—	
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—	—	
	Built-in formulas	—	—	—	—	—	—	—	—	—	—	—	
Utilities	Natural textbook display / NATURAL-V.P.A.M.	●	●	—	—	—	—	—	—	—	—	—	
	Key rollover function	●	●	●	●	●	●	●	●	●	●	●	
	Replay function	●	●	●	●	●	●	●	●	●	●	●	
	Multi-replay functions	●	●	●	●	●	●	●	●	●	●	●	
	Replay copy	—	—	—	—	—	—	—	—	—	—	—	
	Backspace	●	●	●	●	●	●	●	●	●	●	●	
	CALC function	●	●	—	—	—	—	—	—	—	—	—	
	SOLVE function	●	●	—	—	—	—	—	—	—	—	—	
	Answer function	●	●	●	●	●	●	●	●	●	●	●	
	Variables	7	7	9	9	9	9	9	9	9	9	7	
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—	
Syntax help	—	—	—	—	—	—	—	—	—	—	—		
Auto power off	●	●	●	●	●	●	●	●	●	●	●		
Special Features	Base- <i>n</i> calculations (Binary/Octal/Hexadecimal)	●	●	—	—	—	—	●	●	●	●	●	
	Logical operations	●	●	—	—	—	—	●	●	●	●	●	
	Engineering symbol calculations	—	—	—	—	—	—	●	●	●	●	●	
	Engineering notation (ENG/ENG)	●	●	●	●	●	●	●	●	●	●	●	
	Scientific constants	40	40	—	—	—	—	—	—	40	40	128	
Metric conversions	40	40	—	—	—	—	—	—	40	40	—		
CAS	Computer Algebra System	—	—	—	—	—	—	—	—	—	—	—	
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin <sup>-1</sup> /cos <sup>-1</sup> /tan <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	●	●	
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/sinh <sup>-1</sup> /cosh <sup>-1</sup> /tanh <sup>-1</sup> )	●	●	●	●	●	●	●	●	●	●	●	
	Exponential, logarithmic (log, ln, 10 <sup>x</sup> , e <sup>x</sup> )	●	●	●	●	●	●	●	●	●	●	●	
	Base specified logarithmic	●	●	—	—	—	—	—	—	—	—	—	
	Power and radical root (x <sup>y</sup> /x <sup>√</sup> )	●	●	●	●	●	●	●	●	●	●	●	
	Fraction	●	●	●	●	●	●	●	●	●	●	●	
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●	●	●	
	Rounding	●	●	●	●	●	●	●	●	●	●	●	
	Simplification	—	—	—	—	—	—	—	—	—	—	—	
	Integer division	—	—	—	—	—	—	—	—	—	—	—	
	GCD/LCM	—	—	—	—	—	—	—	—	—	—	—	
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●	●	
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●	●	
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●	
	Angle unit conversion (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●	
Factorization into prime factors	—	—	—	—	—	—	—	—	—	—	—		
Ratio calculation	—	—	—	—	—	—	—	—	—	—	—		
Calculus	Differentiation calculation	●	●	—	—	—	—	●	●	●	●	—	
	Integration calculation	—	—	—	—	—	—	—	—	—	—	—	
Algebra	Simultaneous equation	● (3 unknowns)	● (3 unknowns)	—	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—	
	Polynomial equation	● (Degree 2, 3)	● (Degree 2, 3)	—	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—	
	Inequality calculation	—	—	—	—	—	—	—	—	—	—	—	
	Table function	●	●	—	—	—	—	—	—	—	—	—	
	Matrix calculations	●	●	—	—	—	—	—	—	—	—	—	
Complex number calculation	●	●	—	—	—	—	—	—	—	—	—		
Geometry	Geometry Application	—	—	—	—	—	—	—	—	—	—	—	
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●	●	
	Vector calculations	●	●	—	—	—	—	—	—	—	—	—	
Probability	Combination, permutation (nCr, nPr)	●	●	●	●	●	●	●	●	●	●	●	
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●	●	
	Random integers	—	—	—	—	—	—	—	—	—	—	—	
	List-based STAT data editor	●	●	●	●	●	●	●	●	●	●	●	
	Standard deviation	●	●	●	●	●	●	●	●	●	●	●	
	Regression analysis	●	●	●	●	●	●	●	●	●	●	●	
	Linear regression	●	●	●	●	●	●	●	●	●	●	●	
	ab Exponential regression	●	●	—	—	—	—	—	—	—	—	—	
Advanced statistics	—	—	—	—	—	—	—	—	—	—	—		
Other regressions	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	—	—	
Finance	Financial function	—	—	—	—	—	—	—	—	—	—	—	
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—	—	—	
Others	eActivity	—	—	—	—	—	—	—	—	—	—	—	
	Data communication	—	—	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M., Formula memory (79 bytes), Normal distribution	S-V.P.A.M., Formula memory (79 bytes), Normal distribution	S-V.P.A.M., Formula memory (79 bytes), Normal distribution	S-V.P.A.M., Formula memory (79 bytes), Normal distribution	V.P.A.M.	
	Others	—	—	—	—	—	—	—	—	—	—	—	

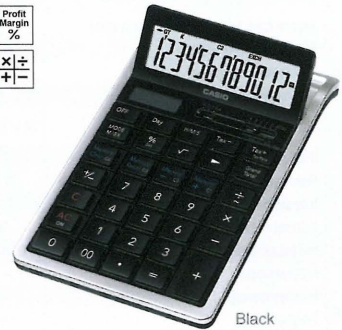
# PRACTICAL CALCULATORS

Dress up your desktop with your favorite design.

## The Designer Calculator



- EXTRA LARGE DISPLAY
- Tax & Exch.
- Profit Margin %
- TWO WAY POWER
- TILT DISPLAY
- Key Rollover
- Day Calcu.
- Plastic Keys
- 12-34 Time Calcu.



Black



White

Adjustable Tilt Display

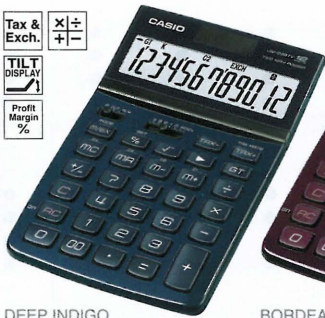


Freely adjustable display angle

Compact desk type  
RT-7000 12 DIGITS

## New Stylish & Cool Design

- EXTRA LARGE DISPLAY
- Tax & Exch.
- Profit Margin %
- TWO WAY POWER
- TILT DISPLAY
- Key Rollover
- Plastic Keys
- Metal Facplate



DEEP INDIGO



BORDEAUX RED



PREMIUM BLACK



OAK BROWN



RICH WHITE

Compact desk type JW-200TV 12 DIGITS

Adjustable Tilt Display



Freely adjustable display angle

- EXTRA LARGE DISPLAY
- Metal Facplate
- TAX
- TWO WAY POWER
- Key Rollover
- 12-34 Time Calcu.
- Plastic Keys
- Profit Margin %



DEEP INDIGO



BORDEAUX RED



PREMIUM BLACK

Portable type  
SL-1100TV 10 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	MU	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions HxWxD (mm)	Approximate weight (g)	Case	Others
RT-7000	12	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	0,1,2,3,4	○	Two-way power	19.7x108.5x180	250	—	Day/Date Calculations
JW-200TV	12	○	○	○	○	—	○	○	○	○	○	○	○	○	○	—	0,1,2,3,4	○	Two-way power	26.1x107x178.5	170	—	—
SL-1100TV	10	○	—	○	○	—	○	○	○	○	○	○	○	○	○	—	—	—	Two-way power	8.5x70x118.5	60	Wallet	—
MS-10VC	10	○	—	○	○	—	○	○	○	○	○	○	○	○	○	—	—	—	Two-way power	26.2x105.5x144	100	—	—
SL-300VC	8	○	—	○	○	—	○	○	○	○	○	○	○	○	○	—	—	—	Two-way power	8x70x118.5	50	Wallet	—
MS-6VC	8	○	—	○	○	—	○	○	○	○	○	○	○	○	○	—	—	—	Two-way power	19.2x87x120.5	70	—	—
SL-100VC	8	○	—	○	○	—	○	○	○	○	○	○	○	○	○	—	—	—	Two-way power	①13.5x91x55 ②9.4x91x110.5	55	—	—

①Folded ②Unfolded



A full lineup of easy-to-use models to meet a variety of different needs.

**PRACTICAL CALCULATORS**

A choice of colours to suit your style.

**My Colour Selection**



Sweet Pink **NEW**

Aqua Blue **NEW**

Fresh Yellow **NEW**

Mystic Purple **NEW**

Pure Black **NEW**



Ice White **NEW**

Baby Leaf Green

Radish Red

Carrot Orange

Peppermint Blue

- EXTRA LARGE DISPLAY TAX
- TWO WAY POWER 12:34 Time Calc.
- Key Rollover Profit Margin %
- Plastic Keys X ÷ + -

**Mini desk type**  
**MS-10VC** 10 DIGITS



Sweet Pink

Aqua Blue

Fresh Yellow

Mystic Purple

Pure Black

**NEW**

- EXTRA LARGE DISPLAY TAX
- TWO WAY POWER 12:34 Time Calc.
- Key Rollover Profit Margin %
- Plastic Keys X ÷ + -

**Portable type**  
**SL-300VC** 8 DIGITS



Ice White

Baby Leaf Green

Radish Red

Carrot Orange

Peppermint Blue

**NEW**

- LARGE DISPLAY TAX
- TWO WAY POWER Profit Margin %
- Key Rollover X ÷ + -
- Plastic Keys

**Mini desk type**  
**MS-6VC** 8 DIGITS



Fresh Yellow

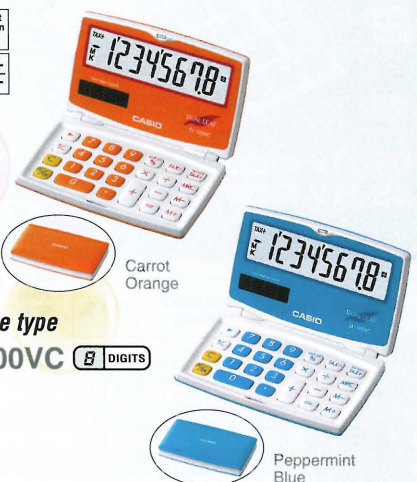
Radish Red

Peppermint Blue

Baby Leaf Green

- LARGE DISPLAY Profit Margin %
- TWO WAY POWER X ÷ + -
- Key Rollover
- TAX

**Portable type**  
**SL-100VC** 8 DIGITS



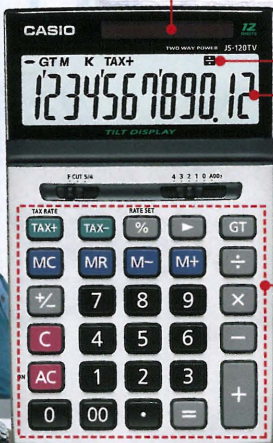
Carrot Orange

Peppermint Blue

Designed and engineered for performance.

**HEAVY DUTY**  
Calculator

## What makes a CASIO "HEAVY DUTY Calculator"?



JS-120TV

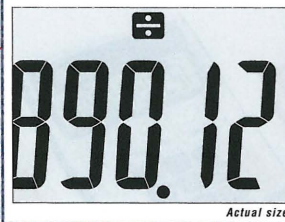
### Large Rubber Feet

Large rubber feet on the bottom of the calculator keep it from slipping during operation.



### Extra Large Display

Larger display makes more data easier to read.



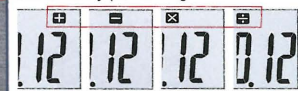
Actual size

### TWP (Two-Way Power)

Solar powered when light is sufficient, battery powered when light is insufficient.

### Function Command Signs

A symbol (+, -, ×, ÷) on the display indicates the status of operation you are currently performing.



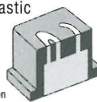
### Key Layout and Key Cap Shape

Keys are ergonomically shaped and configured to match natural finger movements.



### Heavy-duty Durable Keys

Keys are produced by injecting plastic of two different colours. Key markings are plastic, which means they do not wear or fade with use.



Key cross section

### Silent Touch Keys

Keys are specially designed for silent operation when compared to previous CASIO calculators to help maintain a more pleasant working environment.

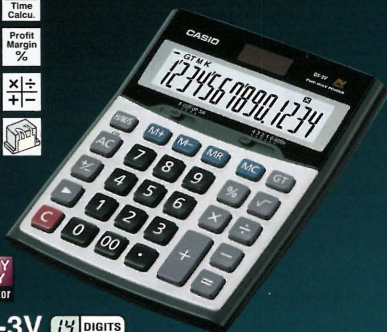
### Key Rollover

Key operations are stored in a buffer, so nothing is lost even during high-speed input.

\* Photos show JS-120TV calculator and display.

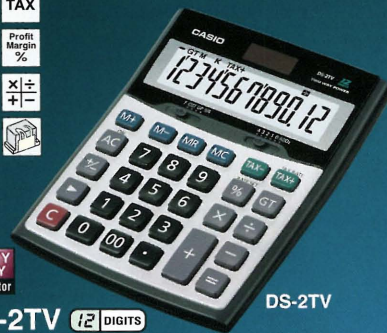
## Desk-Top Type

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



DS-3V 14 DIGITS

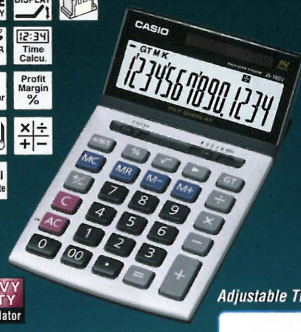
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



DS-2TV 12 DIGITS  
DS-1TV 12 DIGITS

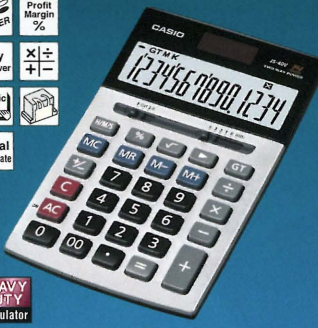
## Compact Desk Type

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



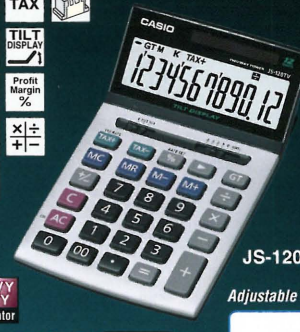
JS-140V 14 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



JS-40V 14 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



JS-120TV 12 DIGITS  
JS-110TV 10 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Faceplate



JS-20TV 12 DIGITS JS-10TV 10 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DS-3V	14	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
DS-2TV	12	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
DS-1TV	10	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	47.8×148×186	290
JS-140V	14	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.6×107×176.5	180
JS-120TV	12	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.6×107×176.5	180
JS-110TV	10	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.6×107×176.5	180
JS-40V	14	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195
JS-20TV	12	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195
JS-10TV	10	○	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,3,4	○	Two-way power	24.2×107×174.5	195

Packed with special-purpose features.

Check Calculator

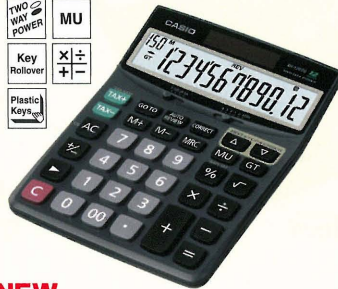
- 120 STEPS CHECK
- Metal Facplate
- LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- TAX
- Profit Margin %
- BIG X $\pm$



DJ-240

DJ-240 14 DIGITS  
DJ-220 12 DIGITS

- 150 STEPS CHECK
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- TAX
- %
- MU
- X $\pm$
- +/-



**NEW** DJ-120TG 12 DIGITS

- 150 STEPS CHECK
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- TAX
- %
- MU
- X $\pm$
- +/-



**NEW** JJ-120TG 12 DIGITS

- 150 STEPS CHECK
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- TAX
- %
- MU
- X $\pm$
- +/-



**NEW** MJ-120TG 12 DIGITS  
MJ-100TG 10 DIGITS

150 Steps Check

\*120 Steps DJ-240/DJ-220

Review and Auto Review

150 STEPS CHECK

Review up to 150 calculation steps.

Example

123+456+...-321=149765



AUTO REVIEW Auto Review by pressing one single button

Correct (all models)

CORRECT Quick and easy step editing!

Double Check (DJ-220 / DJ-240 only)

ANSI CHECK Compare the results of two calculations!

Answer Memory (DJ-220 / DJ-240 only)

ANSI CHECK Recall a previous calculation result and use it in the next calculation!

Go To (DJ-120TG / JJ-120TG / MJ-120TG / MJ-100TG)

GO TO Go To feature instantly jumps to a specific step!

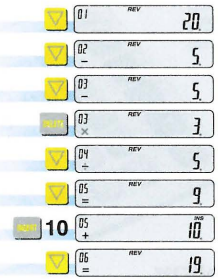
Insert / Delete (DJ-220 / DJ-240 only)

INSERT DELETE Add steps to or delete steps from a calculation.

You can add steps to or delete steps from Calculation Memory. Note that if the number of steps in Calculation Memory exceeds 120, you will not be able to review them later.

Example

Current calculation: (20-5-5) x 3 ÷ 5 = 6  
Revised calculation: [(20-5) x 3 ÷ 5 = 9] + 10 = 19



Metric Converter

- LARGE DISPLAY
- TWO WAY POWER
- Conversion
- Profit Margin %
- X $\pm$
- +/-



MC-100 8 DIGITS

Water-protected and Dust-proof Calculator

Desk-Top type



WD-220T 12 DIGITS

Durability and endurance for professional and general users

Complies with IEC 60529 IP 54 (water protect and dust proof)



WM-220T

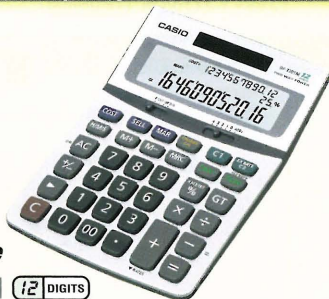
- LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- TAX
- Time Calcu.
- Profit Margin %
- X $\pm$
- +/-

Mini desk type

WM-220T 12 DIGITS  
WM-200T 10 DIGITS

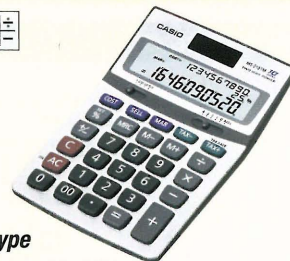
3-Line Display Calculator

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Facplate
- COST SELL MAR
- TAX
- Profit Margin %
- X $\pm$
- +/-



Desk-Top type  
DF-320TM 12 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Metal Facplate
- COST SELL MAR
- TAX
- Profit Margin %
- X $\pm$
- +/-

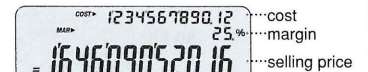


Mini desk type  
MS-310TM 10 DIGITS

Cost, Selling Price and Margin Calculations

For Shopkeepers & Traders

Perform the operations shown below to calculate cost, selling price, and margin.



Model	Digits	Independent memory	Cost/Sell/Margin	GT	%	Profit margin %	MU	☑	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions HxWxD (mm)	Approximate weight (g)	Case	Others
DJ-240/220	14/12	○	—	○	○	○	—	○	○	○	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35.7x147x203.5	250	—	120 STEPS CHECK
DJ-120TG	12	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35x140x191	205	—	150 STEPS CHECK
JJ-120TG	12	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	25.2x107x178.5	140	—	150 STEPS CHECK
MJ-120TG/100TG	12/10	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	○	—	—	Two-way power	30.1x123x140	130	—	150 STEPS CHECK
MC-100	8	○	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	6.1x70x117	42	Wallet	Metric conversion
WD-220T	12	○	—	○	○	—	○	○	○	○	○	—	—	—	—	—	—	—	—	Two-way power	34x139x187.5	255	—	—
WM-220T/200T	12/10	○	—	○	○	—	○	○	○	○	○	—	—	—	—	—	—	—	—	Two-way power	34.8x104x153.5	135	—	—
DF-320TM	12	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	0,1,2,3,4	○	Two-way power	32.3x124x179.5	200	—	—
MS-310TM	10	○	○	○	○	—	—	—	—	—	—	—	—	—	—	—	—	0,1,2,3,4	○	Two-way power	30x103x156	120	—	—

# Desk-Top Type

**Adding Machine**

- EXTRA LARGE DISPLAY
- TAX
- MU MD
- TWO WAY POWER
- %
- Key Rollover
- Plastic Keys

**DS-120TV** 12 DIGITS

- EXTRA LARGE DISPLAY
- TAX
- Profit Margin %
- TWO WAY POWER
- Key Rollover
- Plastic Keys

**NEW**  
**DM-1200S** 12 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facelate
- TWO WAY POWER
- TAX
- Key Rollover
- Profit Margin %
- Plastic Keys

**NEW**  
**DM-1600S** 16 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facelate
- Profit Margin %
- TWO WAY POWER
- TAX
- Key Rollover
- Plastic Keys

**NEW**  
**DM-1400S** 14 DIGITS

- EXTRA LARGE DISPLAY
- COST SELL MAR
- Profit Margin %
- TWO WAY POWER
- Metal Facelate
- TAX
- Key Rollover
- Plastic Keys

**NEW**  
**DM-1200MS** 12 DIGITS

- EXTRA LARGE DISPLAY
- %
- TWO WAY POWER
- MU
- Key Rollover
- Plastic Keys

**D-60L** 16 DIGITS  
**D-40L** 14 DIGITS  
**D-20L** 12 DIGITS

- EXTRA LARGE DISPLAY
- Tax & Exch.
- Profit Margin %
- TWO WAY POWER
- Key Rollover
- Plastic Keys

**NEW**  
**D-120S** 12 DIGITS

- EXTRA LARGE DISPLAY
- COST SELL MAR
- Profit Margin %
- TWO WAY POWER
- Metal Facelate
- TAX
- Key Rollover
- Plastic Keys

**NEW**  
**DF-120MS** 12 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facelate
- Profit Margin %
- TWO WAY POWER
- TAX
- Key Rollover
- TILT DISPLAY
- Plastic Keys
- COST SELL MAR

**NEW**  
**DW-120MS** 12 DIGITS



## Easy calculation of cost, selling price and margin. DM-1200MS / DF-120MS / DW-120MS / JF-120MS / JW-120MS / MS-120MS / MS-100MS

**Cost**  
What is the cost of an item that sells for \$150 after a 30% margin is added?

1 AC 150 SELL

2 30 MAR

3 MAR

4 COST

**Selling Price**  
What would the selling price be for an item that costs \$120 after a 40% margin is added?

1 AC 120 COST

2 40 MAR

3 MAR

4 SELL

**Margin**  
What is the margin on an item that costs \$1,000 and sells for \$2,000?

1 AC 1000 COST

2 2000 SELL

3 MAR

Model	Digits	Adding machine	Independent memory	Cost/Sell/Margin	GT	%	Profit margin %	MU	MD	Key Rollover	+/-	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions HxWxD (mm)	Approximate weight (g)
DS-120TV	12	○	○	—	○	○	—	○	○	○	○	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	40.9x184x186	300
DM-1200S	12	—	2	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	34.5x155x210	230
DM-1600S	16	—	2	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	35.5x155x210	270
DM-1400S	14	—	2	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	35.5x155x210	270
DM-1200MS	12	—	○	○	○	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35.5x155x210	265
D-60L	16	—	○	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32x151x158	195
D-40L	14	—	○	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32x151x158	195
D-20L	12	—	○	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,4	○	Two-way power	32x151x158	195
D-120S	12	—	○	—	—	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35x126x175	170
DF-120MS	12	—	○	○	○	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	35.7x122.5x174.5	180
DW-120MS	12	—	○	○	○	○	○	—	—	—	—	○	—	—	—	○	○	○	0,1,2,3,4	○	Two-way power	32.7x122.5x177.5	195

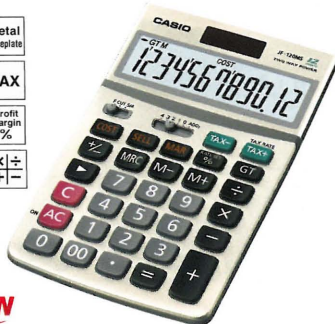
Compact Desk Type

- EXTRA LARGE DISPLAY
- Profit Margin %
- TWO WAY POWER
- Key Rollover
- Plastic Keys
- Tax & Exch.



**NEW**  
J-120S 12 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facplate
- TWO WAY POWER
- TAX
- Key Rollover
- Profit Margin %
- Plastic Keys
- COST SELL MAR

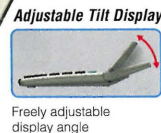


**NEW**  
JF-120MS 12 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facplate
- TWO WAY POWER
- TAX
- Key Rollover
- TILT DISPLAY
- Profit Margin %
- COST SELL MAR



**NEW**  
JW-120MS 12 DIGITS



Mini Desk Type

- EXTRA LARGE DISPLAY
- Time Calcu.
- TWO WAY POWER
- Profit Margin %
- Key Rollover
- Plastic Keys



MS-470V 14 DIGITS

- EXTRA LARGE DISPLAY
- COST SELL MAR
- Metal Facplate
- TWO WAY POWER
- TAX
- Key Rollover
- Profit Margin %
- Plastic Keys



**NEW** MS-120MS 12 DIGITS  
MS-100MS 10 DIGITS

- EXTRA LARGE DISPLAY
- Metal Facplate
- TWO WAY POWER
- Tax & Exch.
- Key Rollover
- Profit Margin %
- Plastic Keys



**NEW** MS-80S 8 DIGITS

- EXTRA LARGE DISPLAY
- Tax & Exch.
- TWO WAY POWER
- Profit Margin %
- Key Rollover
- Plastic Keys



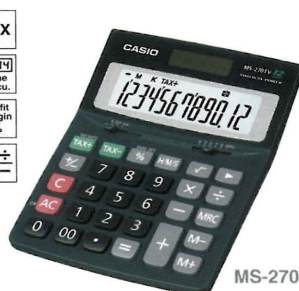
**NEW** MS-20S 12 DIGITS  
MS-10S 10 DIGITS

- EXTRA LARGE DISPLAY
- Tax & Exch.
- TWO WAY POWER
- Profit Margin %
- Key Rollover
- Plastic Keys



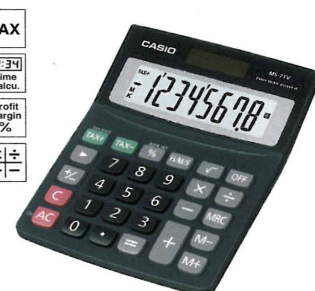
**NEW** MS-8S 8 DIGITS

- EXTRA LARGE DISPLAY
- TAX
- TWO WAY POWER
- Time Calcu.
- Key Rollover
- Profit Margin %
- Plastic Keys



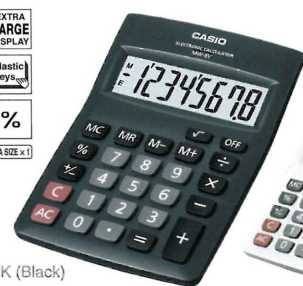
MS-270TV 12 DIGITS  
MS-170TV 10 DIGITS

- EXTRA LARGE DISPLAY
- TAX
- TWO WAY POWER
- Time Calcu.
- Key Rollover
- Profit Margin %
- Plastic Keys



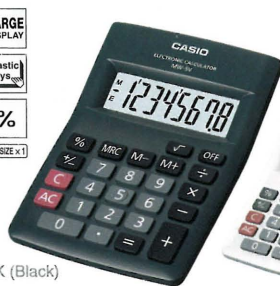
MS-7TV 8 DIGITS

- EXTRA LARGE DISPLAY
- Plastic Keys
- %



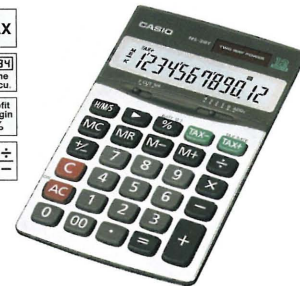
BK (Black) MW-8V 8 DIGITS

- LARGE DISPLAY
- Plastic Keys
- %



BK (Black) MW-5V 8 DIGITS

- LARGE DISPLAY
- TAX
- TWO WAY POWER
- Time Calcu.
- Key Rollover
- Profit Margin %
- Plastic Keys
- Metal Facplate



NS-20T 12 DIGITS



WE (White)

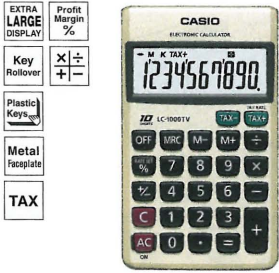


WE (White)

Model	Digits	Independent memory	Cost/Sell/Margin	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	ADD mode	Power supply	Approximate battery life (years)	Dimensions HxWxD (mm)	Approximate weight (g)
J-120S	12	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	25×107×176	145
JF-120MS	12	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	26.3×107×173	155
JW-120MS	12	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	26.1×107×178.5	170
MS-470V	14	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	30.4×111×142.5	125
MS-120MS/100MS	12/10	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	Two-way power	—	30.7×103×145	120
MS-80S	8	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	Two-way power	—	30.7×103×145	120
MS-20S/10S	12/10	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	Two-way power	—	31.7×103×145	100
MS-8S	8	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	Two-way power	—	31.7×103×145	100
MS-270TV/170TV	12/10	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	30.4×111×142.5	125
MS-7TV	8	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	Two-way power	—	30.4×111×142.5	120
MW-8V	8	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	AA (LR6 or R6P)×1	2	28.8×103×145	120
MW-5V	8	○	—	○	○	○	—	○	○	○	—	○	—	○	○	—	—	AA (LR6 or R6P)×1	2	25.1×84×118	85
NS-20T	12	○	—	○	○	○	—	○	○	○	—	○	—	○	○	0,1,2,3,4	○	Two-way power	—	10.7×87×145	90

R6P=UM-3

# Portable Type

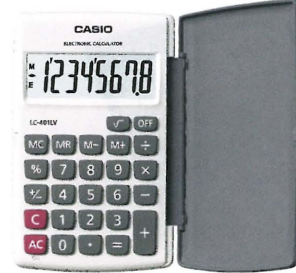


LC-1000TV **10** DIGITS



LC-401LV **8** DIGITS

BK (Black)



WE (White)



LC-403TV **8** DIGITS



LC-160LV **8** DIGITS

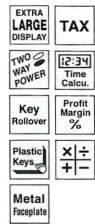
BK (Black)



WE (White)



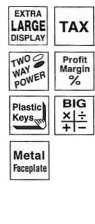
SL-340VA **14** DIGITS



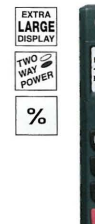
SL-320TV **12** DIGITS  
SL-315TV **10** DIGITS



SL-320TV



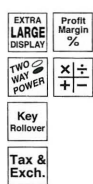
SL-300TV **8** DIGITS



SL-300LV **8** DIGITS



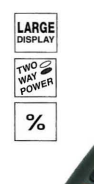
DUAL LEAF  
SL-240LB **14** DIGITS



DUAL LEAF  
SL-220TE **12** DIGITS  
SL-210TE **10** DIGITS  
SL-200TE **8** DIGITS



SL-220TE



DUAL LEAF  
SL-100L **8** DIGITS



Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	Power supply	Approximate battery life (hours)	Dimensions HxWxD (mm)	Approximate weight (g)	Case
LC-1000TV	10	○	—	○	○	—	○	—	—	—	—	—	—	—	—	LR54x1	5,500	7.5x70x118.5	50	Wallet
LC-401LV	8	○	—	○	○	—	○	—	—	—	—	—	—	—	—	LR54x1	4,500	①10.7x75x120 ②7.3x151.5x120	70	Hard
LC-403TV	8	○	—	○	○	—	○	—	—	—	—	—	—	—	—	LR54x1	7,500	7.5x70x118.5	50	Wallet
LC-160LV	8	○	—	○	○	—	○	—	—	—	—	—	—	—	—	LR54x1	6,500	①10x87x58 ②8x87x117.5	35	Hard
SL-340VA	14	○	—	○	○	—	○	—	○	○	○	○	○	○	○	Two-way power	—	7.5x70x118.5	50	Wallet
SL-320TV	12	○	—	○	○	—	○	—	○	○	○	○	○	○	○	Two-way power	—	7.5x70x118.5	50	Wallet
SL-315TV	10	○	—	○	○	—	○	—	○	○	○	○	○	○	○	Two-way power	—	7.5x70x118.5	50	Wallet
SL-300TV	8	○	—	○	○	—	○	—	○	○	○	○	○	○	○	Two-way power	—	7.5x70x118.5	50	Wallet
SL-300LV	8	○	—	○	○	—	○	—	○	○	○	○	○	○	○	Two-way power	—	7.5x70x118.5	50	Wallet
SL-240LB	14	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-220TE	12	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-210TE	10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Two-way power	—	①12.5x120x73 ②6.5x120x141	75.5	—
SL-200TE	8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-100L	8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	Two-way power	—	①13.5x91x55 ②9.4x91x110.5	55	—

LR54=LR1130

①Folded ②Unfolded

Portable Type

- LARGE DISPLAY
- Tax & Exch.
- TWO WAY POWER
- Profit Margin %
- Key Rollover
- Plastic Keys
- Metal Faceplate

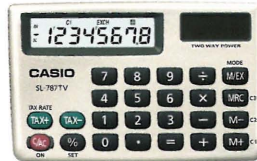


GD (Gold)



BK (Black)

- LARGE DISPLAY
- Profit Margin %
- TWO WAY POWER
- Key Rollover
- Metal Faceplate
- Tax & Exch.



GD (Gold)



BK (Black)

- SUPER SOLAR
- Profit Margin %
- Key Rollover



GDB (Gold)



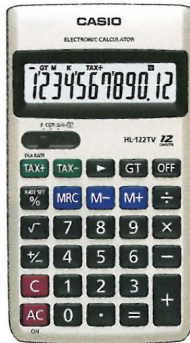
BK (Black)

SL-797TV 8 DIGITS

SL-787TV 8 DIGITS

SL-760LB 8 DIGITS

- LARGE DISPLAY
- TAX
- Key Rollover
- Profit Margin %
- Plastic Keys
- Metal Faceplate



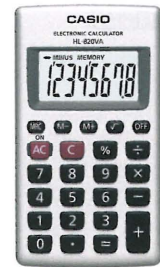
HL-122TV 12 DIGITS

- LARGE DISPLAY
- %



HL-100LB 10 DIGITS

- LARGE DISPLAY
- Plastic Keys
- Metal Faceplate
- %



HL-820VA 8 DIGITS

- LARGE DISPLAY
- %



BK (Black)



WE (White)

- LARGE DISPLAY
- %



BK (Black)



WE (White)

HL-820LV 8 DIGITS

HL-815L 8 DIGITS

- LARGE DISPLAY
- %



HL-4A 8 DIGITS

- LARGE DISPLAY
- %
- TWO WAY POWER
- Plastic Keys
- Metal Faceplate



HS-8VA 8 DIGITS

- LARGE DISPLAY
- TWO WAY POWER
- %



HS-8LV 8 DIGITS

BK (Black)



WE (White)

Model	Digits	Independent memory	GT	%	Profit margin %	MU		+/-		3-digit comma markers	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	Power supply	Approximate battery life (hours)	Dimensions HxWxD (mm)	Approximate weight (g)	Case
SL-797TV	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Two-way power	—	6.9x57x102	35	Wallet
SL-787TV	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Two-way power	—	6.3x91.5x58	30	Wallet
SL-760LB	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Solar	—	2.9x85.5x54	15	Soft
HL-122TV	12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	AA (LR6 or R6P)x1	17,500	19.5x77x141	115	Soft
HL-100LB	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AA (LR6 or R6P)x1	2 yrs.	18x69.5x118	65	—
HL-820VA	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LR54x1	2 yrs.	6.9x57x102	35	Wallet
HL-820LV	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LR54x1	6,500	© 10x62.5x104 Ⓢ 7.5x127x104	45	Hard
HL-815L	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	AA (LR6 or R6P)x1	2 yrs.	18x69.5x118	65	—
HL-4A	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LR54x1	6,500	8.8x56x87	25	—
HS-8VA	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Two-way power	—	6.9x57x102	35	Wallet
HS-8LV	8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Two-way power	—	6.7x57x102	35	Wallet

LR54=LR1130  
LR6=AM3, R6P=UM-3

Ⓢ Folded Ⓞ Unfolded

# Value Series

## Desk-Top Type

- EXTRA LARGE DISPLAY  %
- TWO WAY POWER  MU
- Key Rollover
- Plastic Keys



**NEW**  
GX-16S 16 DIGITS

- EXTRA LARGE DISPLAY  %
- TWO WAY POWER  MU
- Key Rollover
- Plastic Keys



**NEW**  
GX-14S 14 DIGITS

- EXTRA LARGE DISPLAY  Metal Faceplate
- TWO WAY POWER  %
- Key Rollover  MU
- Plastic Keys



**NEW**  
GX-120S 12 DIGITS

- EXTRA LARGE DISPLAY  %
- TWO WAY POWER  MU
- Key Rollover
- Plastic Keys



**NEW**  
GX-12S 12 DIGITS

- EXTRA LARGE DISPLAY  Metal Faceplate
- TWO WAY POWER  TILT DISPLAY
- Key Rollover  %
- Plastic Keys



**NEW**  
DX-120ST 12 DIGITS

Adjustable Tilt Display



Freely adjustable display angle

- EXTRA LARGE DISPLAY  Metal Faceplate
- TWO WAY POWER  %
- Key Rollover  MU
- Plastic Keys



**NEW**  
DX-120S 12 DIGITS

- EXTRA LARGE DISPLAY  %
- TWO WAY POWER  MU
- Key Rollover
- Plastic Keys



**NEW**  
DX-12S 12 DIGITS

Model	Digits	Independent memory	GT	%	MU	<input type="checkbox"/>	+/-	<input type="checkbox"/>	3-digit comma markers	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions HxWxD (mm)	Approximate weight (g)
GX-16S	16	2	—	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	34.5x155x210	230
GX-14S	14	2	—	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	34.5x155x210	230
GX-120S	12	2	—	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	35.5x155x210	260
GX-12S	12	2	—	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	34.5x155x210	230
DX-120ST	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	32.7x122.5x177.5	195
DX-120S	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	36x126x175	190
DX-12S	12	○	○	○	○	○	○	○	○	—	○	○	○	0,1,2,4	○	Two-way power	35x126x175	170



Compact Desk Type



**NEW**  
AX-120ST 12 DIGITS



Freely adjustable display angle

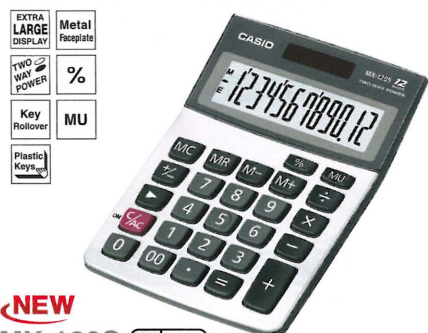


**NEW**  
AX-120S 12 DIGITS



**NEW**  
AX-12S 12 DIGITS

Mini Desk Type



**NEW**  
MX-120S 12 DIGITS

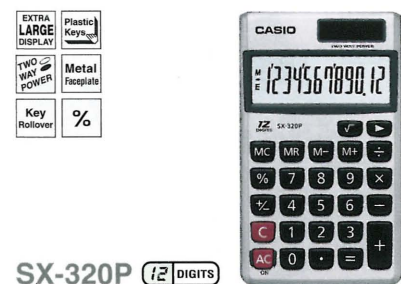


**NEW**  
MX-12S 12 DIGITS



**NEW**  
MX-8S 8 DIGITS

Portable Type



SX-320P 12 DIGITS



SX-300P 8 DIGITS



SX-300 8 DIGITS



**DUAL LEAF**  
SX-220 12 DIGITS



**DUAL LEAF**  
SX-100 8 DIGITS

Model	Digits	Independent memory	GT	%	MU	☑	+/-	▶	3-digit comma markers	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case
AX-120ST	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	26.1×107×178.5	170	—
AX-120S	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	29.3×107×175.5	165	—
AX-12S	12	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	25×107×176	145	—
MX-120S	12	○	—	○	○	○	○	○	○	—	—	—	—	—	Two-way power	30.7×103×145	120	—
MX-12S	12	○	—	○	○	○	○	○	○	—	—	—	—	—	Two-way power	31.7×103×145	100	—
MX-8S	8	○	—	○	○	○	○	○	○	—	—	—	—	—	Two-way power	31.7×103×145	100	—
SX-320P	12	○	—	○	—	○	○	○	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-300P	8	○	—	○	—	○	○	○	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-300	8	○	—	○	—	○	○	○	○	—	—	—	—	—	Two-way power	7.5×70×118.5	50	Wallet
SX-220	12	○	○	○	—	○	○	○	○	—	—	—	—	—	Two-way power	Ⓜ 12.5×120×73 Ⓜ 6.5×120×141	80	—
SX-100	8	○	—	○	—	○	○	○	○	—	—	—	—	—	Two-way power	Ⓜ 13.5×91×55 Ⓜ 9.4×91×110.5	55	—

Ⓜ Folded Ⓜ Unfolded

# PRINTING CALCULATORS

## Mini-printer

1.6 LINES/SEC  
Tax & Exch.  
LARGE DISPLAY  
Profit Margin %  
Key Rollover  
X | +  
+ | -  
COST SELL MAR



BK (Cool Black)

HR-8TM 12 DIGITS

GY (Light Gray)

## Compact Type

2 COLOUR PRINT  
Plastic Keys  
2.0 LINES/SEC  
Tax & Exch.  
EXTRA LARGE DISPLAY  
%  
Key Rollover  
MU MD  
COST SELL MAR



HR-100TM 12 DIGITS

2 COLOUR PRINT  
Plastic Keys  
2.4 LINES/SEC  
Tax & Exch.  
EXTRA LARGE DISPLAY  
%  
Key Rollover  
MU MD  
COST SELL MAR



HR-150TM 12 DIGITS

## Desk-Top Type

2 COLOUR PRINT  
%  
2.4 LINES/SEC  
MU MD  
TAX



FR-2650T 12 DIGITS

2 COLOUR PRINT  
Key Rollover  
%  
3.5 LINES/SEC  
Plastic Keys  
MU MD  
LARGE DISPLAY  
COST SELL MAR  
LINE PRINT  
TAX



BK (Black)

DR-120TM 12 DIGITS

WE (White)

2 COLOUR PRINT  
Key Rollover  
%  
3.5 LINES/SEC  
Plastic Keys  
MU MD  
LARGE DISPLAY  
COST SELL MAR  
LINE PRINT  
TAX



DR-140TM 14 DIGITS

## Main Functions

### Cost, Selling Price and Margin Calculations

(HR-8TM/HR-100TM/HR-150TM/DR-120TM/DR-140TM/DR-210TM/DR-240TM/DR-270TM)

Perform the operations shown to the right to calculate cost, selling price, and margin.

### Exchange Functions

(HR-8TM/HR-100TM/HR-150TM)

Current rates for converting between U.S. dollars and up to three national currencies by simply pressing corresponding button. A simple operation also converts between national currencies, with intermediate conversion to U.S. dollars.

### Tax Calculations (Excluding Thermal Printer)

Set the rate for easy calculation of amount plus tax, amount less tax, and tax amount.

## Printing Sample

### Cost

What is the cost of an item that sells for \$150 after a 30% margin is added?

① CA 150 SELL 150.  
② 30 MAR 105.  
③ MAR 45.  
COST 105.

..0.CA  
150.S\* ← ① Selling price  
30.M% ← ② Margin (%)  
105.C◊ ← Cost  
  
30.M% ← ③ Margin (%)  
45.MT ← Margin amount

### Selling Price

What would the selling price be for an item that costs \$120 after a 40% margin is added?

① CA 120 COST 120.  
② 40 MAR 200.  
③ MAR 80.  
SELL 200.

..0.CA  
120.C◊ ← ① Cost  
40.M% ← ② Margin (%)  
200.S\* ← Selling price  
  
40.M% ← ③ Margin (%)  
80.MT ← Margin amount

### Margin

What is the margin on an item that costs \$1,000 and sells for \$2,000?

① CA 1000 COST 1'000.  
② 2000 SELL 50.

..0.CA  
1'000.C◊ ← ① Cost  
2'000.S\* ← ② Selling price  
50.M% ← Margin (%)

\*Print sample: DR-120TM

Heavy-duty Type

- 2 COLOUR PRINT
- Key Rollover
- MU MD
- 4.4 LINES/SEC
- COST SELL MAR
- LARGE DISPLAY
- TAX
- LINE PRINT
- %



DR-210TM 12 DIGITS

- 2 COLOUR PRINT
- Key Rollover
- MU MD
- 4.4 LINES/SEC
- COST SELL MAR
- LARGE DISPLAY
- TAX
- LINE PRINT
- %



DR-240TM 14 DIGITS

- 2 COLOUR PRINT
- COST SELL MAR
- MU MD
- 4.8 LINES/SEC
- TAX
- EXTRA LARGE DISPLAY
- Built-in Backup Battery
- LINE PRINT
- %
- Key Rollover



DR-270TM 12 DIGITS



Prints the current time and date

Thermal Printer

Quick (approximately 8 lines/sec.) and quiet

- 8.0 LINES/SEC
- MU MD
- LARGE DISPLAY
- Built-in Backup Battery
- LINE PRINT
- %



DR-T120 12 DIGITS

- 8.0 LINES/SEC
- MU MD
- LARGE DISPLAY
- Built-in Backup Battery
- LINE PRINT
- %



DR-T140 14 DIGITS

- 8.0 LINES/SEC
- %
- 200 STEPS CHECK
- MU MD
- LARGE DISPLAY
- Built-in Backup Battery
- LINE PRINT



DR-T220 12 DIGITS

\*Supplies extremely limited

Model	Display	Digits	Simple algebraic logic	Adding machine	Sub-total/Total	GT	Independent memory	Cost/Sell/Margin	%	Profit margin %	MU/MD	+/-	3-digit comma markers	2-colour printing	Tax calculation	Exchange calculation	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply		Ink-roll/Ink ribbon	Paper width (mm)	Print speed (lines/s)	Dimensions H x W x D (mm)	Approximate weight	Others
																							Battery	AC adaptor						
HR-8TM	LCD	12	○	—	—	—	○	○	○	○	—	—	○	—	○	○	—	○	—	—	0,2	—	AA×4	AD-A60024	IR-40	58	1.6*1	41.1×99×196	340g	Function command signs, Auto power off function
HR-100TM	LCD	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0,2,3	—	AA×4	AD-A60024	IR-40T	58	2.0*1	67×165.5×285	520g	Average calculation
HR-150TM	LCD	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0,2,3	—	AA×4	AD-A60024	IR-40T	58	2.4*1	67.4×196×317	700g	Average calculation
FR-2650T	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0,2,3,4	—	AC only	IR-40T	58	2.4*1	70×206×335	1.1kg	—	
DR-120TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0-6	—	AC only	RB-02	58	3.5*2	109.3×214.5×382	1.7kg	Average calculation	
DR-140TM	Digitron	14	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0-6	—	AC only	RB-02	58	3.5*2	109.3×214.5×382	1.7kg	Average calculation, 000	
DR-210TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0-6	—	AC only	RB-02	58	4.4*2	109.3×214.5×382	1.7kg	Data print function	
DR-240TM	Digitron	14	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0-6	—	AC only	RB-02	58	4.4*2	109.3×214.5×382	1.7kg	Data print function, 000	
DR-270TM	Digitron	12	—	○	○	○	○	○	○	—	○	○	○	○	○	○	—	○	—	—	0-6	—	AC only	RB-02	58	4.8*2	109.3×214.5×382	1.9kg	Clock & Calendar	

\*1 Average speeds of 3-position shift max. & min. speed patterns. \*2 Average speed at feed.

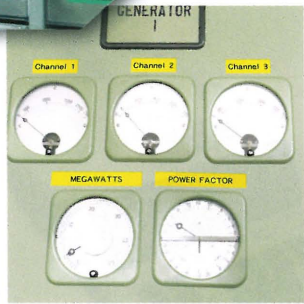
Model	Digits	Independent memory	Date/time display	%	MU/MD	Constant calculation	Total and grand total	Repeat addition, subtraction, ADD mode	Item counter	000 key	3-digit separator display	3-digit separator printing	Auto power off	Cut off/Round off	Paper width (mm)	Print speed (lines/s)	Per character print size (mm)	Variable print font	Memory print	Calculation check	Power Supply	Dimensions H x W x D (mm) Weight (kg) (excluding battery)
DR-T120	12	○	○	○	○	○	○	○	○	000	○	○	No (30-minute auto return to timekeeping)	○	58	8.0*3	Font - B	—	—	—	AC only (built-in backup battery)	91×340×213, 1.7
DR-T140	14	○	○	○	○	○	○	○	○	000	○	○	○	○	58	8.0*3	Font - B	—	—	—	91×340×213, 1.7	
DR-T220	12	○	○	○	○	○	○	○	○	000	○	○	○	○	58	8.0*3	Font - B, A(2,832), C(3,499)	○	○	○	91×340×213, 1.7	

\*3 Average speed of half line among the printout digits.

# LABEL PRINTERS

EZ-Label Printer **LABEL IT!**

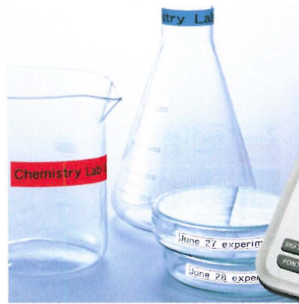
Plant facilities



Office



Schools & laboratories



**NEW**  
KL-7400

## A Business Label Printer for Use in Every Office and Industry



Construction sites



Stores & markets



Schools



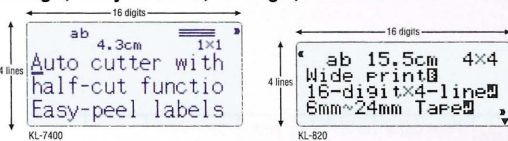
KL-820

KL-7400/820

Handles 24, 18, 12, 9 and 6mm tape widths. \* 12mm print head/200dpi resolution



Large, easy-to-read, 16-digit, 4-line LCD \* 3-line input area



Designed Logo printing

A selection of 60 complete built-in label designs combining frequently used words with illustrations.

PRICE labels (10) SIGN labels (20) WORK labels (10) ATTENTION labels (20)

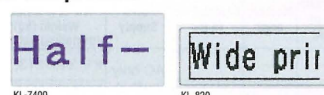


\* Available in 6 languages (English/Spanish/French/German/Italian/Swedish)

5 installed fonts



Print preview



Barcode printing



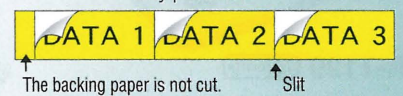
KL-7400 Only

Auto cutter with half-cut function.

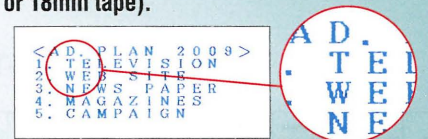
A built-in auto cutter with half-cut function slits only the label for easy removal from the backing paper. This comes in handy when printing large numbers of labels or using the consecutive number printing function.



Easy-peel labels



Prints up to 6 lines (24 or 18mm tape).



519 illustrations and symbols

Over 500 built-in illustrations and symbols make expressive, eye-catching label-making easy.



Numbering

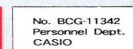
The consecutive number printing function comes in handy when you're producing large numbers of labels.

\*Numbering from 0 to 999 \*You can print up to 100 numbered labels per print operation.



KL-820 Only

Prints up to 3 lines (24 or 18mm tape).



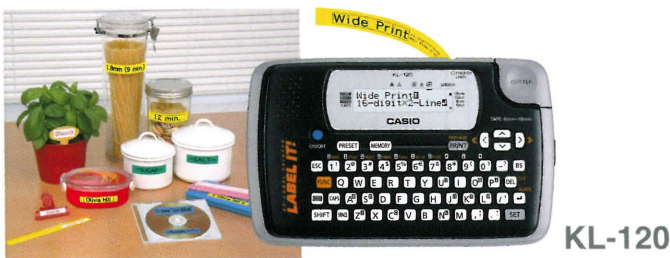
Numbering

The consecutive number printing function comes in handy.

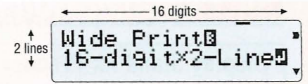
\*Numbering from 0 to 999 \*You can print up to 9 numbered labels per print operation.



**Handy home model for organizing your home!**



■ Large 16-digit, 2-line LCD



■ Handles 18, 12, 9 and 6mm tape widths.

■ 12mm print head/200dpi resolution

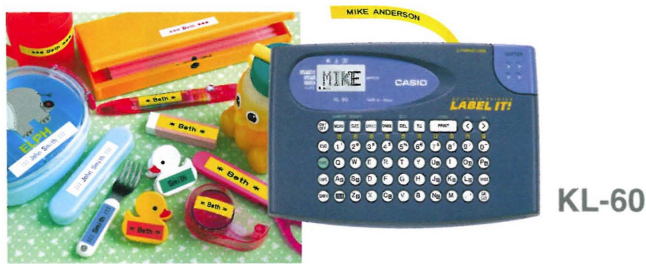
■ Prints up to 2 lines (18 or 12mm tape).

■ Print preview

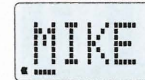
■ 3 character effects



**Personal model with basic functions!**



■ 4-digit, 1-line LCD



■ Handles 12, 9 and 6mm tape widths.

■ 5mm print head/160 dpi resolution

■ Prints up to 2 lines (12 or 9mm tape)

■ 3 character effects

**The portable, easy-to-use Chinese label printer / 只中文**



■ Five Chinese input methods

Beijing Pin-yin, Canton Pin-yin, Zhu-yin, Chang-ji, Simplified Chang-ji

■ Chinese and English fonts built in

圓體, 黑體, 明體, Logo style, Stencil

■ 4-digit, 1-line LCD

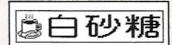
■ Handles 18, 12, 9 and 6mm tape widths.

■ Prints up to 2 lines (18 or 12mm tape).

■ 6 character sizes



■ 405 special characters built in



**Label Printer Specifications**

Model	KL-7400	KL-820	KL-120	KL-60	KL-170 PLUS
Keyboard layout	QWERTY	QWERTY	QWERTY	QWERTY	QWERTY
Display	LCD 128 x 64 dots	LCD 96 x 32 dots	LCD 96 x 16 dots	LCD 5 x 7 dots + cursor	LCD 64 x 16 dots
Display (input data)	16 digits x 3 lines	16 digits x 3 lines	16 digits x 2 lines	4 digits x 1 line	4 digits x 1 line
Usable tape widths (mm)	24 / 18 / 12 / 9 / 6	24 / 18 / 12 / 9 / 6	18 / 12 / 9 / 6	12 / 9 / 6	18 / 12 / 9 / 6
Printing resolution	200 dpi / 96 dots	200 dpi / 96 dots	200 dpi / 96 dots	160 dpi / 32 dots	200dpi / 64 dots
Unit of length switching	cm / inches	cm / inches	cm / inches	—	—
Printing speed (mm/sec.)	10	6	6	11.6	6
Maximum printing height (mm)	12	12	12	5	8
Maximum printing lines	6	3	2	2	2
Fonts	Sans-serif / Sans-serif italic / Sans-serif rounded / Roman / Roman italic	Sans-serif / Sans-serif italic / Sans-serif rounded / Roman / Roman italic	Sans-serif	Sans-serif	圓體, 黑體, 明體, Logo style, Stencil
Character styles	Normal / Bold / Outline / Shadow / Raised	Normal / Bold / Outline / Shadow / Raised	Normal / Bold / Outline	Normal	Normal / Outline
Character effects	Shading / Underline / Box	Shading / Underline / Box	Shading / Underline / Box	Shading / Underline / Box	Box
Built-in character types	680	248	248	207	8,841
Alphanumeric characters	62	62	62	62	62
Illustrations	124	—	—	—	212
Special characters / symbols	395	87	87	46	193
Countries' characters	99	99	99	99	8,374
Auto cutter with half-cut function	○	—	—	—	—
Frame printing	65	65	—	—	85
Layouts according to use	24	24	18	—	33
Mirror printing	○	○	○	○	○
Printing direction	Horizontal / Vertical	Horizontal / Vertical	Horizontal	Horizontal	Horizontal / Vertical
Printing number setting	100	9	9	—	—
Design logos	60	60	—	—	—
Numbering	○	○	—	—	—
Barcode printing	○	○	—	—	—
Barcode supported	14*1	14*1	14*1	14*1	2*2
Message switching	6 languages*3	6 languages*3	5 languages*4	English only	Chinese only
Print job memories	127 characters x 10	100 characters / Layout / Numbering / Barcode x 10 each	80 characters x 2	63 characters x 1	63 characters x 1
Auto power off	○	○	○	○	○
Maximum characters per input data	127	100	80	63	63
Power supply	AC adaptor*5 (included) or 6 x AA-size alkaline (LR6) batteries (sold separately)	AC adaptor*5 (optional) or 6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)	6 x AA-size alkaline (LR6) batteries (sold separately)
Approximate battery life*6	2 tape cartridges	4 tape cartridges	4 tape cartridges	10 tape cartridges	4 tape cartridges
Dimensions*7: H x W x D (mm)	64.5 x 202 x 216	52.5 x 167 x 223	54.5 x 189 x 115	51.5 x 168 x 114	51.5 x 182 x 118
Approximate weight (g)*8	800	610	430	300	335
Bundled tape cartridge	12mm x 1	12mm x 1	12mm x 1	9mm x 1	9mm x 1

**Label Printer Options**

Colour Tape (8m)						
Width	24mm	18mm	12mm	9mm	6mm	
BLACK on WHITE	XR-24WE1	XR-18WE1	XR-12WE1	XR-9WE1	XR-6WE1	
BLACK on CLEAR	XR-24X1	XR-18X1	XR-12X1	XR-9X1	XR-6X1	
BLACK on RED	XR-24RD1	XR-18RD1	XR-12RD1	XR-9RD1	XR-6RD1	
BLACK on YELLOW	XR-24YW1	XR-18YW1	XR-12YW1	XR-9YW1	XR-6YW1	
BLACK on BLUE	XR-24BU1	XR-18BU1	XR-12BU1	XR-9BU1	—	
BLACK on GREEN	XR-24GN1	XR-18GN1	XR-12GN1	XR-9GN1	XR-6GN1	
BLACK on GOLD	—	XR-18GD1	XR-12GD1	XR-9GD1	—	
BLACK on SILVER	—	XR-18SR1	XR-12SR1	XR-9SR1	—	

Colour Tape (Colour Letters - 8m)				Iron-on Transfer Tape (5m)	
Width	18mm	12mm	9mm	Width	18mm
RED on WHITE	XR-18WER1	XR-12WER1	XR-9WER1	BLACK INK	XR-118BK1
BLUE on WHITE	XR-18WEB1	XR-12WEB1	XR-9WEB1		

**Chocolates**

Football highlights '09  
England vs. Brazil

**Andy**

**Household accounts**

\*1. English / Spanish / French / Portuguese / Czech / Polish / Hungarian / German / Italian / Dutch / Finnish / Swedish / Danish / Norwegian \*2. English / Chinese  
\*3. English / Spanish / French / German / Italian / Swedish \*4. English / Spanish / French / German / Italian \*5. KL-7400-AD-A12150L / KL-820-AD-A95100 \*6. Continuous printing  
\*7. The height dimension includes the feet. \*8. Not including batteries

# SALES PROMOTION MATERIALS, NEWSPAPER/ MAGAZINE ADVERTISEMENT, ROADSHOW KIT, ACTIVITIES

## SALES PROMOTION MATERIALS

Calculators and label printers normally are not included with promotion materials.

### Display Stand for Practical Calculators

- Size: L420 x W650 x H1,870mm
- Weight: approx. 30.0 kg

**NEW**



### Display Stand for Colourful Calculators

- Size: L400 x W400 x H1,800mm
- Weight: approx. 7.0 kg

**NEW**

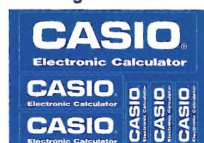


### Display Stand for Label Printers

- Size: L400 x W500 x H1,800mm
- Weight: approx. 28.0 kg



### CASIO Logo Sticker



- Size: 210 x 297mm

### Unit Stand (PPSD7)



- Size: 76H x 66W x 95Dmm
- Weight: 25g

### Display Stand for Stylish Calculators\*

- Size: L355 x W420 x H25mm
- Weight: approx. 3.2 kg



\* Stylish Calculators shown in the photo are included.

### Attention Pop Kit for Label Printers

- Corner Sheet x 3
- Sticker Sheet x 1
- Attention POP x 1
- Sticker Clip x 3



### Attention Pop Board for Colourful Calculators



- Size: L500 x W600 x H50mm

**NEW**

### Display Tool Kit for Practical Calculators



- Display stand  
Size: (L250 x W450 x H320mm) x 1
- Attention POP x 6
- Poster x 3
- Banner x 1

### Display Tool Kit for Scientific Calculators ES Series



- Poster x 2
- Panel x 1
- Stuffer (with box) x 100 pcs/box
- Banner x 1
- POP product advertisement x 5
- Card for sales staff explanations x 1

# MODEL INDEX

Red numbers indicate new models.

## NEWSPAPER/MAGAZINE ADVERTISEMENT

### Scientific Calculator Artwork



Brand Artwork



MS Series

### Check Calculator Artwork



**NEW**

### Financial Consultant Artwork



FC-200V / 100V

### Printing Calculator Artwork



Cost, selling Price and Margin models



Thermal Printer models

Model	Page	Model	Page
<b>A</b>		JS-40V	17
ALGEBRA FX 2.0 PLUS	2	JS-110TV	17
AX-12S	24	JS-120TV	17
AX-120ST	24	JS-140V	17
AX-120S	24	JW-120MS	20
<b>C</b>		JW-200TV-BK	15
ClassPad 330	1	JW-200TV-BR	15
<b>D</b>		JW-200TV-BU	15
D-20L	19	JW-200TV-RD	15
D-40L	19	JW-200TV-WE	15
D-60L	19	<b>K</b>	
D-120S	19	KL-60	28
DF-120MS	19	KL-120	28
DF-320TM	18	KL-170 PLUS	28
DJ-120TG	18	KL-820	27
DJ-220	18	KL-7400	27
DJ-240	18	<b>L</b>	
DM-1200MS	19	LC-160LV-BK	21
DM-1200S	19	LC-160LV-WE	21
DM-1400S	19	LC-401LV-BK	21
DM-1600S	19	LC-401LV-WE	21
DR-120TM-BK	25	LC-403TV	21
DR-120TM-WE	25	LC-1000TV	21
DR-140TM	25	<b>M</b>	
DR-210TM	26	MC-100	18
DR-240TM	26	MJ-100TG	18
DR-270TM	26	MJ-120TG	18
DR-T120	26	MS-6VC-BU	16
DR-T140	26	MS-6VC-GN	16
DR-T220	26	MS-6VC-RD	16
DS-1TV	17	MS-6VC-YW	16
DS-2TV	17	MS-7TV	20
DS-3V	17	MS-8S	20
DS-120TV	19	MS-10S	20
DX-120MS	19	MS-10VC-BE	16
DX-12S	23	MS-10VC-BK	16
DX-120ST	23	MS-10VC-BU	16
DX-120S	23	MS-10VC-GN	16
<b>E</b>		MS-10VC-OE	16
EA-2	11	MS-10VC-PK	16
EA-200	11	MS-10VC-PL	16
<b>F</b>		MS-10VC-RD	16
FA-124USB	11	MS-10VC-YW	16
FA-9860A/B Ver. 2.0	11	MS-20S	20
FA-CP330A/B Ver. 3.0	11	MS-80S	20
FC-EMULATOR	11	MS-100MS	20
FC-100V	10	MS-120MS	20
FC-200V	10	MS-170TV	20
FR-2650T	25	MS-270TV	20
fx-ES Emulator	11	MS-310TM	18
fx-ES PLUS Emulator	11	MS-470V	20
fx-50F PLUS	6	MW-5V-BK	20
fx-50FH	6	MW-5V-WE	20
fx-82ES	9	MW-8V-BK	20
fx-82ES PLUS-BK	8	MW-8V-WE	20
fx-82ES PLUS-WE	8	MX-8S	24
fx-82MS	9	MX-12S	24
fx-85ES	9	MX-120S	24
fx-85ES PLUS	8	<b>N</b>	
fx-85MS	9	NS-20T	20
fx-95ES PLUS	8	<b>O</b>	
fx-95MS	9	OH-ALGEBRA FX 2.0 SET	11
fx-100MS	9	OH-ClassPad 330 SET	11
fx-115MS	9	OH-300ES	11
fx-350ES	9	OH-300ES PLUS	11
fx-350ES PLUS	8	OH-300MS	11
fx-350MS	9	OH-9860	11
fx-500ES	9	<b>R</b>	
fx-570ES	9	RT-7000-BK	15
fx-570ES PLUS	8	RT-7000-WE	15
fx-570MS	9	<b>S</b>	
fx-901	10	SL-100L	21
fx-991ES	9	SL-100VC-BU	16
fx-991ES PLUS	8	SL-100VC-OE	16
fx-991MS	9	SL-200TE	21
fx-992S	10	SL-210TE	21
fx-3650P	6	SL-220TE	21
fx-3950P	6	SL-240LB	21
fx-4500PA	6	SL-300LV	21
fx-5800P	6	SL-300TV	21
fx-7400G PLUS	6	SL-300VC-BE	16
fx-9750GII	5	SL-300VC-BK	16
fx-9860GII	3	SL-300VC-BU	16
fx-9860GII SD	3	SL-300VC-GN	16
fx-9860G Slim	6	SL-300VC-OE	16
<b>G</b>		SL-300VC-PK	16
GX-12S	23	SL-300VC-PL	16
GX-14S	23	SL-300VC-RD	16
GX-16S	23	SL-300VC-WE	16
GX-120S	23	SL-300VC-YW	16
<b>H</b>		SL-315TV	21
HL-4A	22	SL-320TV	21
HL-100LB	22	SL-340VA	21
HL-122TV	22	SL-450L	10
HL-815L-BK	22	SL-760LB-BK	22
HL-815L-WE	22	SL-760LB-GDB	22
HL-820LV-BK	22	SL-787TV-BK	22
HL-820LV-WE	22	SL-787TV-GD	22
HL-820VA	22	SL-797TV-BK	22
HR-8TM-BK	25	SL-797TV-GD	22
HR-8TM-GY	25	SL-1100TV-BK	15
HR-100TM	25	SL-1100TV-BU	15
HR-150TM	25	SL-1100TV-RD	15
HS-8LV-BK	22	SX-100	24
HS-8LV-WE	22	SX-220	24
HS-8VA	22	SX-300	24
<b>J</b>		SX-300P	24
J-120S	20	SX-320P	24
JF-120MS	20	<b>W</b>	
JJ-120TG	18	WD-220T	18
JS-10TV	17	WM-200T	18
JS-20TV	17	WM-220T	18

Ⓟ Blister pack only Ⓠ Blister pack available in addition to standard packaging.  
 Ⓡ Clamshell packaging only \* Items without letter code are available with standard packaging only.

## ROADSHOW KIT FOR SCIENTIFIC CALCULATORS



- Poster x 5
- Sheet x 3
- Display Stand x 5
- Banner Stand x 1
- Carry bag

## ACTIVITIES

### Scientific Calculator

Activities for ES Series

(Activities for MS Series are also available.)

### Graphic Calculator

Activities for fx-9860G Series

### "Your Partner to Explore Math"

Activities for fx-3650P

### Financial Consultant

Calculation Examples for FC-200V/100V

# FUNCTION SYMBOLS

## Scientific Calculator/Financial Consultant

**763**  
FUNCTIONS

### Number of functions

**NATURAL V.P.A.M.**

**NATURAL TEXTBOOK**

**Natural V.P.A.M. display**  
**Natural textbook display**  
Display expression same as textbook.

**S-V.P.A.M.**

**S-V.P.A.M. (Super Visually Perfect Algebraic Method)**  
All the features of the existing V.P.A.M. series plus a new 2-line display and a useful Replay function. All this helps to make mathematics easier to use and easier to understand than ever before.

**V.P.A.M.**

**V.P.A.M. (Visually Perfect Algebraic Method)**  
Calculations exactly as they are written. Calculation status symbols and intermediate display capabilities help make calculations easier.

**STAT-data**

**STAT-data editor**  
Back-step viewing and editing of input data.

**List-based STAT**

**List based STAT-data editor**  
Viewing and editing of input data in list format, showing data groups (x-data, y-data, frequency) and surrounding data.

**Multi-replay**

**Multi-replay**  
Quick and easy recall of previously executed formulas for editing and re-execution.

**10+2 DIGITS**

**10 + 2 digits**  
10-digit mantissa + 2-digit exponential display.

**COLOUR LCD**

**Colour display**  
Data is shown in three colours for quick and easy comprehension.

**ICON MENU**

**Icon menu**  
Specify the operation you want to perform by selecting an icon or inputting a number.

**DOT MATRIX**

**Dot matrix display**  
High-resolution screen provides beautiful looking graphs every time.

**TWO WAY POWER**

**Two-way power (Solar + Battery)**  
Solar powered in sunlight, battery powered when lighting is low.

**Data communication with a personal computer**

**Data communication with a personal computer**  
Allows data communication with a personal computer.

**SUPER SOLAR**

**Super solar**  
Solar cell powers calculations even when lighting is relatively dim.

**Plastic Keys**

**Plastic keys**  
Designed and engineered for easy operation.

**Profit Margin %**

**Profit margin percent**  
☒ key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios, increase/decrease values and regular percentages.

**X ÷ + -**

**Function command signs**  
A symbol (+, -, ×, ÷) on the display indicates the type of operation you are currently performing.

## Practical Calculator/Printing Calculator

**EXTRA LARGE DISPLAY**

**Extra Large display**  
Larger display makes more data easier to read.

**LARGE DISPLAY**

**Large display**  
Large, easy-to-read display.

**TWO WAY POWER**

**Two-way power (Solar + Battery)**  
Solar powered when light is sufficient, battery powered when light is insufficient.

**SUPER SOLAR**

**Super solar**  
Solar cell powers calculations even when lighting is relatively dim.

**Key Rollover**

**Key rollover**  
Key operations are stored in a buffer, so nothing is lost even during high-speed input.

**Plastic Keys**

**Plastic keys**  
Designed and engineered for easy operation.

**Metal Faceplate**

**Durable metal Faceplate**  
Tough cover stands up to rough treatment.

**COST SELL MAR**

**Cost/Sell/Margin**  
Calculate the cost, selling price, or margin of profit on an item, given the other two values.

**Tax & Exch.**

**Tax & exchange function**  
Tax calculation and currency conversion functions.

**TAX**

**Tax calculation**  
Automatic calculation of price plus tax, price less tax, discount, selling price, tax amount, discount amount, and margin amount.

**TILT DISPLAY**

**Tilt Display**  
The degree of display can be adjusted freely.

**Day Calcu.**

**Day/Date calculation**  
Day/Date calculations allow easy input and calculation of duration or date.

**Time Calcu.**

**Time calculation**  
Time calculation allows easy input and calculation of hour, minute, and second values.

**Conversion**

**Metric conversion function**  
Conversion between metric units and another measurement unit.

**Profit Margin %**

**Profit margin percent**  
☒ key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios and increase/decrease values.

**%**

**Regular percent**  
Regular percentage calculations.

**MU**

**Mark-up/Mark-down**  
All the mark-up/mark-down capabilities of an adding machine for simplified cost and profit calculations.

**BIG X ÷ + -**

**Super command signs**  
Big, easy-to-read command signs show your current operation at a glance.

**X ÷ + -**

**Function command signs**  
A symbol (+, -, ×, ÷) on the display indicates the status of operation you are currently performing.

**Clock & Calendar**

**Clock & Calendar**  
Printing the current time and date.

**120 STEPS CHECK**

**150 STEPS CHECK**

**120/150 steps check**  
Displays up to 120 or 150 previous calculation steps.

**LINE PRINT**

**Line printing**  
Line printing for higher speed, superior print quality, and quieter operation.

**2 COLOUR PRINT**

**2-colour printing**  
Positive values are shown in black, and negative values are shown in red for easy checking.

**3.5 LINES/SEC.**

**3.5 line-per-second printing**  
The value indicates the number of lines printed per second.


**Heavy-duty durable keys**

**Heavy-duty durable keys**  
Keys are produced by injecting plastic of two different colours. Key markings are plastic, which means they do not wear or fade with use.

For information about Accessories and Options of Calculators models, visit <http://www.casio-intl.com/calc/>

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\*Designs and specifications are subject to change without notice.

BS0907-040001A  Printed in Japan