

## ELECTRONIC CALCULATORS



SCIENTIFIC CALCULATORS

PROFESSIONAL CALCULATOR

PRACTICAL CALCULATORS

PRINTING CALCULATORS

LABEL PRINTERS

# Over a half century of proven reliability and durability from more than one billion calculators

In 1957 CASIO created a sensation by introducing the Casio 14-A, the world's first all-electric compact calculator. More than a half century of continuous innovation since that time has resulted in a constant stream of hit products. A notable example is the Casio Mini, the world's first personal handheld calculator, which sold more than ten million units. As a result, in 2006 cumulative unit sales of CASIO calculators passed the one billion milestone.

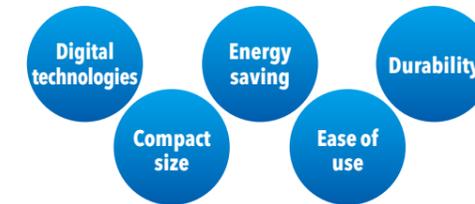
People the world over choose CASIO calculators, the global standard for high performance, ease of use, and durability.

No. 1 in manufacturer share in Japan  
Source: By-manufacturer calculator unit sales share from January to December 2013 from a GfK Japan study of sales performance at leading appliance retailers nationwide



# CASIO's ever-advancing core technologies

CASIO supports the intellectual and creative activities of people around the world with long-lasting products that can be used anywhere, anytime, and by anyone. To achieve this, CASIO uses a product development approach focused on constantly advancing its five core technologies.



## PURSUIT OF USER FRIENDLINESS

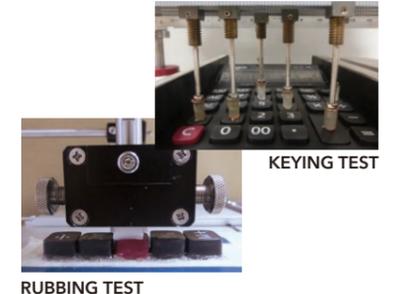
### USABILITY

- Key layout and key cap shape
- Key rollover
- Silent touch keys, etc.



### DURABILITY

- Temperature and electricity environmental tests, keying test, drop test, and rubbing test, etc.



## History of CASIO Calculators

For more than half a century, CASIO has created numerous world-first products. The wellspring of this remarkable innovation is CASIO's unique approach to developing and making products, an approach inspired by our commitment to "Creativity and Contribution."

World's first	World's first	World's first	World's first	World's first	World's first	World's first
1957 ▶	1965 ▶	1967 ▶	1972 ▶	1983 ▶	1985 ▶	1995 ▶
Compact all-electric calculator Casio 14-A	Memory-equipped electronic desktop calculator 001	Programmable electronic desktop calculator AL-1000	Personal calculator Casio Mini	0.8mm thin credit card size calculator SL-800	Graphic scientific calculator fx-7000G	Graphic calculator with a three-colour display CFX-9800G

40 years Sales Anniversary of Personal calculator since 1972

2006 ▶	2008 ▶	2010 ▶	2011 ▶	2012 ▶	2013 ▶	2014 ▶
Cumulative worldwide calculator sales exceed one billion units.	Scientific calculator with natural textbook display fx-991ES	Check calculator that incorporates the world's first localized number display DJ-120D	Dual Display calculator DV-220	Graphing calculator with colour display fx-CG20	Graphing calculator with CAS capability fx-CP400	Surveying calculator fx-FD10 Pro

# Worldwide distribution and service networks

CASIO partners with 109 subsidiary companies and distributors in 98 countries and has established regional service sites around the world to provide meticulous customer support from sales to after service.



# Contributions to education

CASIO engages in school sales activities and contributes to the development of education around the world.

CASIO scientific calculators are used in schools all over the world. We not only sell scientific calculators, but also contribute to the development of mathematics education worldwide through a number of activities. For instance, we conduct workshops for teachers and students, prepare

instruction books, support mathematics societies, and conduct a project to promote the use of scientific calculators in school examinations. To develop scientific calculators optimized for classroom use, we solicit the opinions of teachers in various educational settings.



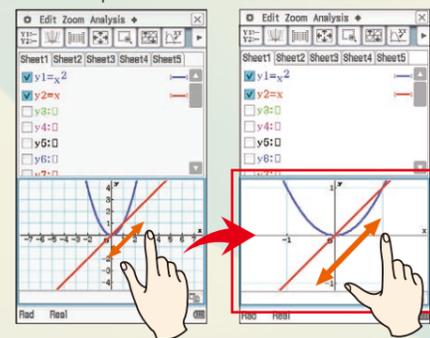
Support for educational institutions

### Vivid Color Display and Touch Panel for Superb Usability

A top-of-the-line model that effectively supports the learning of functions

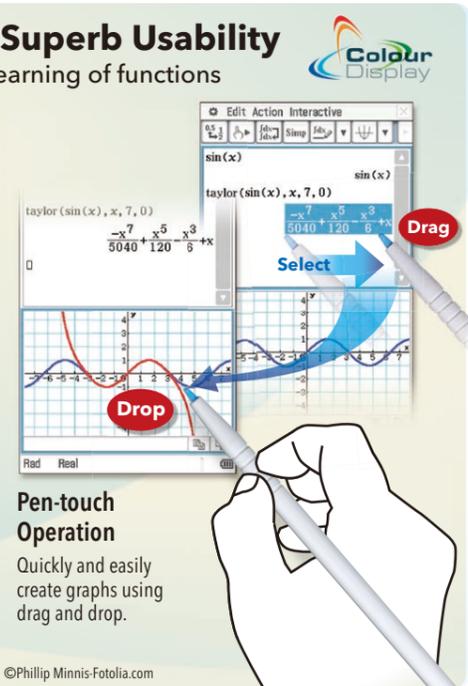
#### Pinch in/out

Intuitive pinch-in/pinch-out zoom operation makes it possible to adjust graphs to the desired display size. You can enlarge or reduce graphs without having to learn an additional operation.



#### Beautiful 4.8-inch color display

Formulas, graphs, and other graphics are sharp and clear. The display has resolution of 320 x 528 pixels (more than 65,000 colors), 4.4 times higher than ClassPad 330 PLUS.



#### Pen-touch Operation

Quickly and easily create graphs using drag and drop.

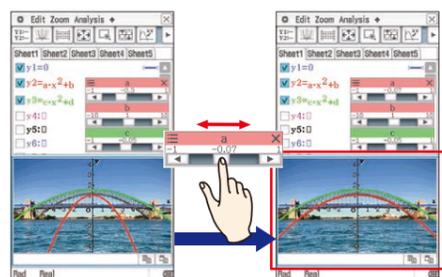
©Phillip Minnis-Fotolia.com



\* Comes with snap-on hard case

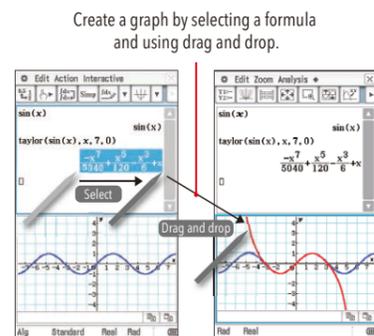
#### Equipped with sliders for finger-touch operation

The fx-CP400 has sliders that make possible finger-touch operation. Sliders are used to intuitively adjust parameters, and graphs change in response to slider movements. This feature enables users to visually understand the characteristics of mathematical formulas.



#### Large touch-panel color LCD for ease of viewing and operation

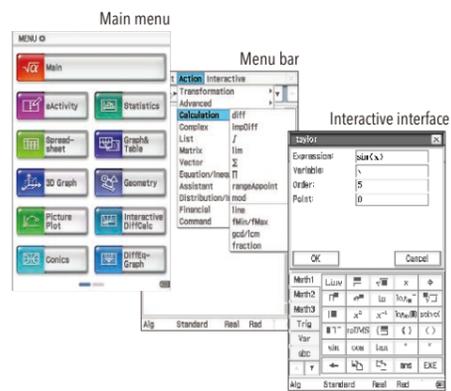
The fx-CP400 offers intuitive stylus touch-panel operation that eliminates complicated key operations. Graphically display mathematical formulas by simply dragging and dropping them into the graph area.



### ClassPad II fx-CP400

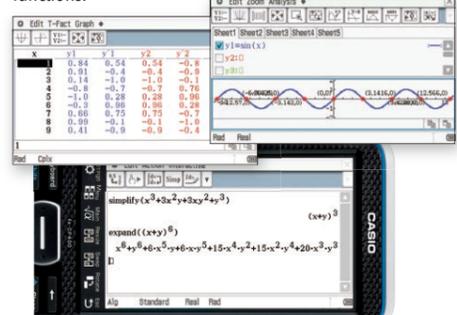
#### Simple interface

The fx-CP400 has simple, easy-to-understand menu icons, menu bars, and toolbars and an interactive interface.



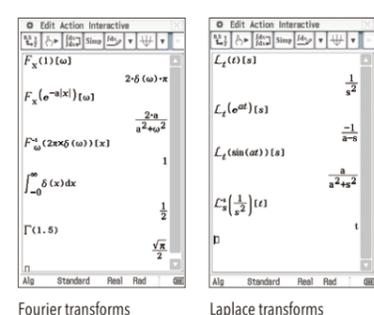
#### Supports horizontal screen view

Switch the display between an upright screen view and a horizontal screen view by simply touching an icon on the panel. Horizontal screen view is convenient for displaying a long formula on a single line and observing the characteristics of graphs of trigonometric and other functions.



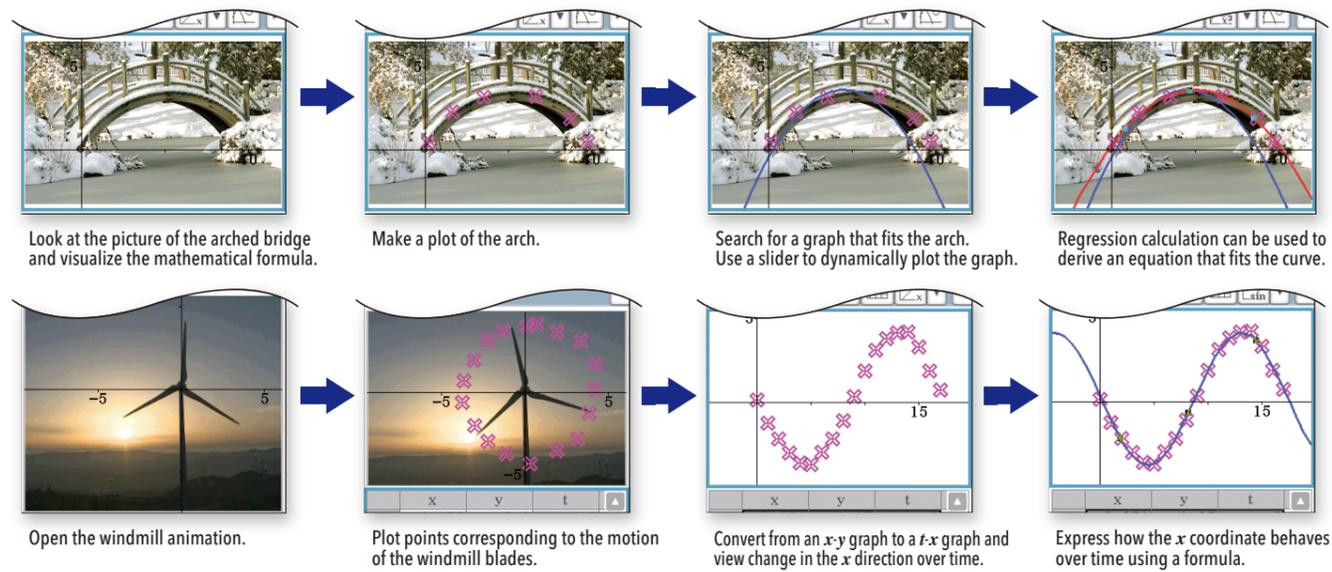
#### Computer Algebra System (CAS)

The CAS supports everything from Expand, Factor, Solve, and other basic commands to advanced commands like Fourier and Laplace transforms.



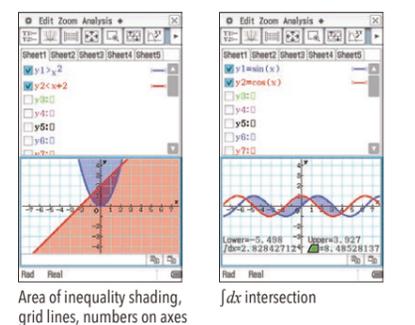
#### Picture Plot Single and multiple images make learning interesting and fun.

The calculator comes pre-loaded with visuals such as a single image (still image) of the curve of an arched bridge and multiple images (sequential images) of the rotation of windmill blades. The use of real-life visuals as background images for functions such as the drawing of graphs overlaid on color images makes mathematics learning a more visually familiar experience.



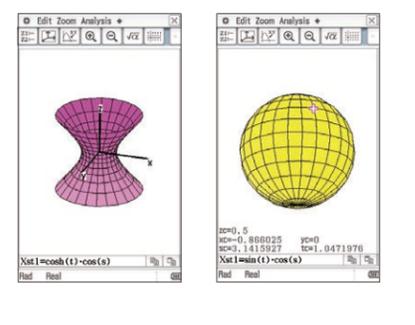
#### Graphing function

Display formulas and related graphs in the same color and highlight graph characteristics by displaying scale marks, grids, and coordinate values. The vivid color display of the fx-CP400 improves the visibility of graphs and formulas.



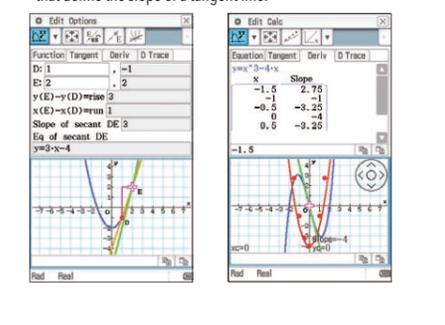
#### 3D Graph application

The 3D Graph application lets you draw rectangular coordinate graphs ( $z=f(x, y)$ ) and parametric function graphs ( $xst=f(s, t), yst=f(s, t), zst=f(s, t)$ ). The large color display facilitates understanding of hard-to-visualize 3D graphs.



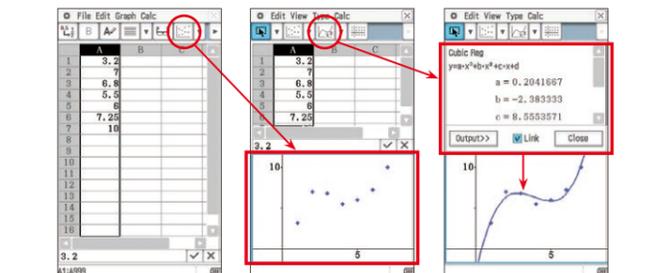
#### Interactive Differential Calculus

Visual, intuitive operation makes it possible to learn the concept of hard-to-understand differentials. Learn that the secant line approaches the tangent line by causing Point D of the secant line to approach Point E. Learn the concept of differential functions by linking the points that define the slope of a tangent line.



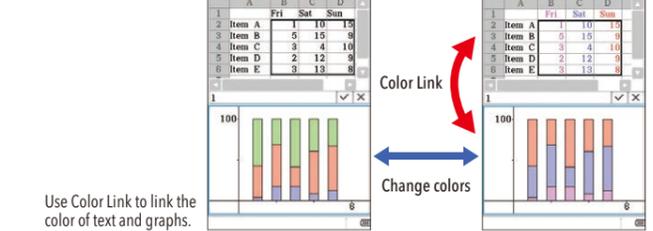
#### Spreadsheet application

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, the fx-CP400 supports the following functions: search, sort, data import from and export to lists, matrices, and variables, CellFit, and Histogram/Box-whisker graphing.



#### Color Link

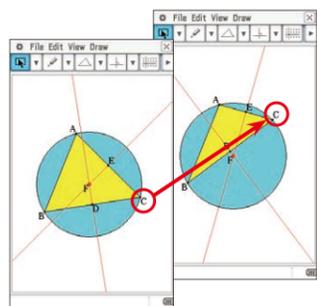
The fx-CP400 features the Color Link function, which automatically links colors specified on the spreadsheet screen with colors used in graphs to support learning of functions by enabling visual confirmation of changes in values or trends.



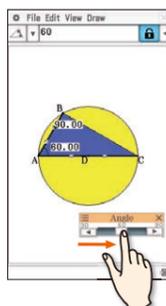
# CAS GRAPHIC MODELS

## Geometry

Students can learn general theorems by drawing figures. Dropping a geometric figure into the Main application window will produce the numerical data for the figure. An Animation function enables students to move geometric figures drawn on the screen. The fx-CP400 supports drawing of conics using a focus.



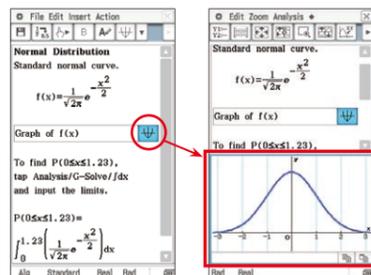
**Slider interface**  
An intuitive user interface that can be operated with one finger



Geometric graphing

## eActivity application

An eActivity is like a digital worksheet that can be created and worked with on the fx-CP400. All of the powerful features and capabilities of the fx-CP400 can be incorporated into an eActivity. In addition to performing 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, can be stored in an eActivity file.



**eActivity Data Download Center**  
eActivity files are available for download at the CASIO website.  
<http://edu.casio.com/dl/>

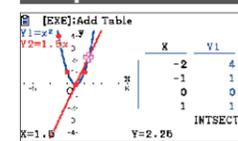
- Differential Equation Graph application
- Financial application

# GRAPHIC MODELS

## The innovative color display dramatically increases math learning efficiency.

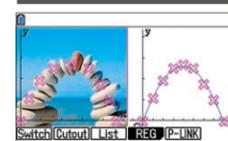
A color model that carries on the tradition of innovation in CASIO graphic scientific calculators!

### Graphical color display!



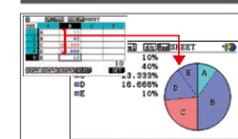
A color display with more than 65,000 colors  
Vivid colors and smooth fonts for easily readable graphs and formulas!

### Picture Plot



Create function graphs overlaid on color images!

### Color Link



Automatically links colors of values on the spreadsheet screen with colors used in graphs!

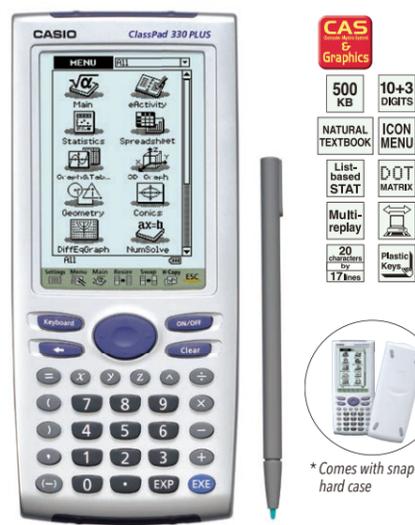
### More than 50 pictures are pre-loaded on the fx-CG20!



- Color display (384 × 216 pixels)
- Natural textbook display
- Graphic functions
- eActivity
- Probability
- List-based statistics
- Advanced statistics
- Financial functions
- Mass storage function
- Built-in software (Spreadsheet, E-CON2)
- Add-in software (Geometry, Picture Plot, Conversion, Phisium)



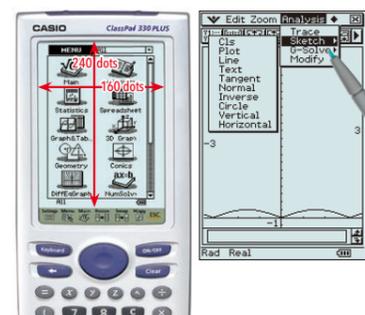
fx-CG20 \* Comes with snap-on hard case



## User-friendly Interface

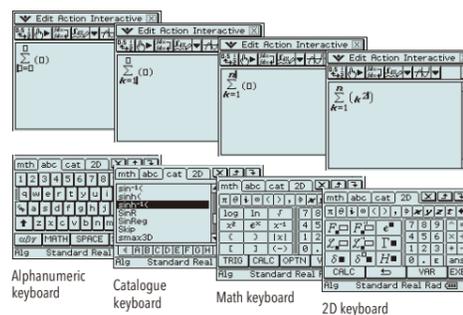
### Pen-touch Operation

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 large 160 × 240-dot LCD simplifies operation and displays more data per screen.



### Natural Textbook Input and Output

Fractions, powers, and square roots, as well as high-level mathematical expressions such as log, Σ, ∫, 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 PLUS

## ClassPad II fx-CP400 / ClassPad 330 PLUS Specifications

### ALGEBRA

- CAS (Computer Algebra System)
- Algebra Assistant
- Fractions
- Transformation (simplify, expand, factor)
- 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

- Hyperbolic
- Integration, Differential
- Differential equation
- Σ, ∫, lim
- Dirac Delta, Heaviside Unit Step, Gamma

### STATISTICS

- Statistical plot (Scatter Plot, xyLine, Normal Probability Plot, Histogram, Box-whisker plot)
- Statistical regression graphs

### GEOMETRY

#### eACTIVITY APPLICATION

#### HARDWARE

- 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

### OTHER USEFUL FEATURES

- Graphing function
- 3D Graph
- Drag & drop
- Natural format input of equations and expressions
- Natural format display of results
- Math, Alphabet, 2D soft keyboards
- Command catalogue soft keyboard
- Shift key configuration
- Calculation history
- Mantissa + exponent: 10 + 3
- Interactive manipulation for solving equations
- Differential equation graphs
- Numeric equation solver
- Financial calculations
- 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
- Resetting/Initializing memory
- Selectable display language
- Auto Power Off (APO)
- Bundled Screen Receiver Software
- Ending Screen/User-defined Ending Screen

#### ClassPad II fx-CP400 only

- Graph & Picture
- Picture Plot
- Slider interface (Graph, Conics, Geometry, Picture Plot)
- Horizontal screen view
- Length unit
- Phisium

#### ClassPad 330 PLUS only

- Presentation feature
- Unit-to-unit screen image transfer

### OPTIONS

- ClassPad Manager (FA-CP400A/B, FA-CP330A/B)

- USB direct connection to CASIO Data Projector\*



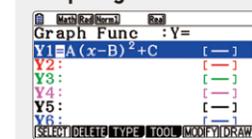
- Simple data management using the mass storage function



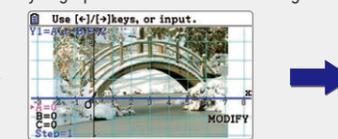
\* For information on supported models, refer to the following URL: <http://edu.casio.com/support/projector/>

## Single image and multiple images make learning interesting and fun.

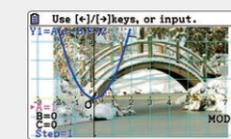
**Graphing** Students can create a wide variety of graphs over real-life visual backgrounds.



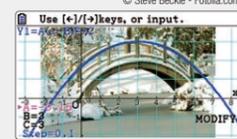
Select the formula for the graph you want to create.



A graph screen with a visual appropriate for creating a graph of the selected function is displayed.



Create a graph that matches the parabola in the visual by repeatedly inputting values.



Congratulations! Your graph is complete.

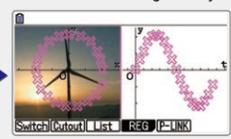
**Picture Plot** Students can search for and plot curves found in nature and their surroundings. Analysis of the plotted data deepens understanding of the function.



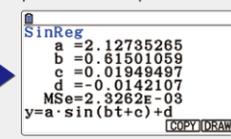
Select an image file.



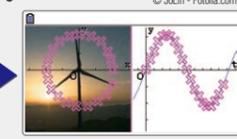
Create a plot over the selected image.



It's possible to simultaneously draw a graph of the time axis by using time values.



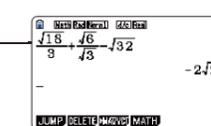
Regression can be performed on the graph of the time axis.



In addition, a regression graph can be drawn.

### Natural textbook display

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.

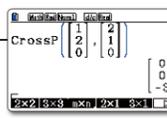


Natural Output  
Calculation results appear in the same format as they are written.

## New functions that make studying mathematics more rewarding and fun

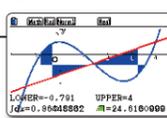
### Vector calculation

Perform operations on vectors and calculate the inner product and outer product.



### New integral calculation function

Calculate the values of integrals and the area enclosed by two graphs. Not only arbitrary points, but also points of intersection and the points where Y=0 can be selected in the interval of integration.



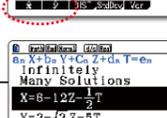
### New deviation commands

Population standard deviation and population variance commands have been added.



### Equation application improvement

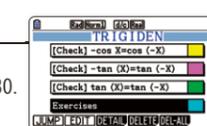
The calculation result display has been improved for simultaneous equations with an infinitely number of solutions.



- Out-of-the-box USB operations
- Direct connection to a projector
- Connect the calculator to a data projector and project the calculator screen.
- Large-capacity 16MB flash memory

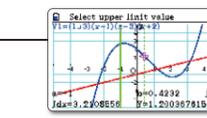
### eActivity

fx-CG20 calculator 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.



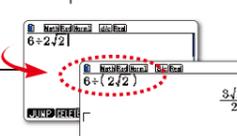
### Integral calculation improvement

Verify the integral value in real time while freely moving the interval using the cursor key.



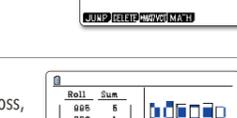
### Random sampling of an existing list

Use shuffling or random selection to select data from an existing list and prepare new list data. Use the new list data to verify various statistical patterns.



### Auto parenthesis addition

This function clearly indicates the calculation order when the calculation priority sequence is ambiguous.



### Probability Simulation\*

Simulate probability events using dice roll, coin toss, or card draw and perform statistical analysis.

- Coin Toss
- Dice Roll
- Spinner
- Marble Grab
- Card Draw
- Random Numbers

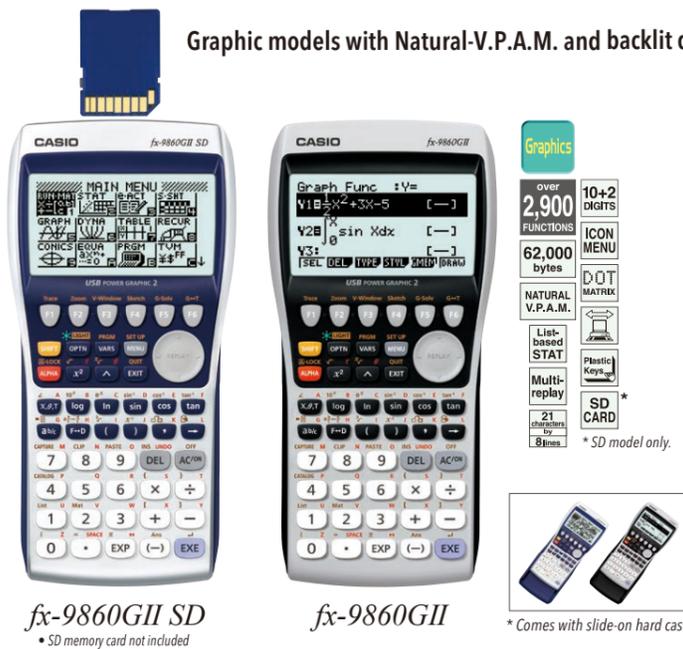
\* Downloading from the Web and user installation is required.

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

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

# GRAPHIC MODELS

Graphic models with Natural-V.P.A.M. and backlit display



### User-friendly Interface

- Large display (128 × 64 dots)
- High-resolution LCD • High-speed CPU
- Rectangular coordinate graphing, Polar coordinate graphing
- Parametric function graphing, Inequality graphing
- Table and Graph • Dual graph (table and graph, graph and graph)
- Solve (root, minimum, maximum, intersection, integration) • Dynamic graph
- Conic section graph • Recursion graph • eActivity • Geometry
- 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, intervals, distributions • Pie chart
- Bar graph • Spreadsheet and statistical plot
- Numeric equation solver, Simultaneous equations, Polynomial equations
- SD memory card slot (fx-9860GII SD only)
- Data communication
- Out-of-the-box USB operations
- Direct connection to a projector
- User memory: 62,000 bytes, User storage memory: 1.5 M bytes



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



\* Comes with slide-on hard case



Backlight on

fx-9860GII SD  
• SD memory card not included

fx-9860GII

## Natural textbook display!

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

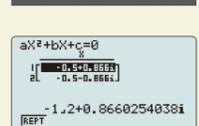
Natural Input now supported in the Graph Mode!



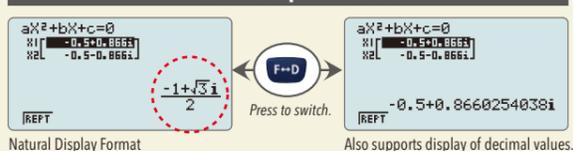
## Natural Output

Polynomial equation result

### Previous Models

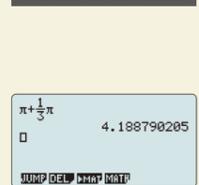


### Natural Output Models

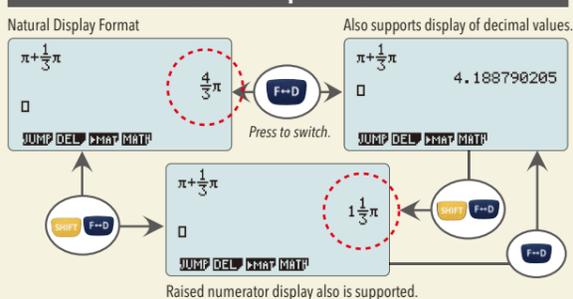


Result of expression with Pi symbol

### Previous Models



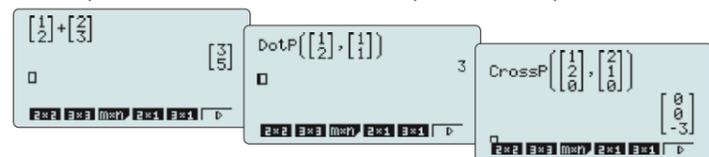
### Natural Output Models



## New functions that make studying mathematics more rewarding and fun

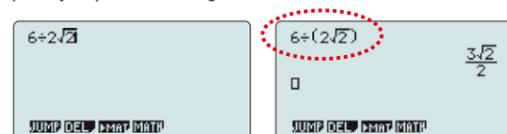
### Vector calculation

Perform operations on vectors and calculate the dot product and cross product.



### Auto parenthesis addition

This function clearly indicates the calculation order when the calculation priority sequence is ambiguous.



### 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.



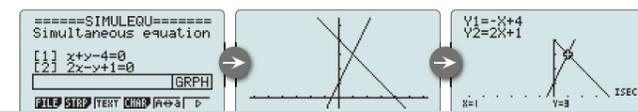
### SD memory card slot (SD model only)

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



## eActivity

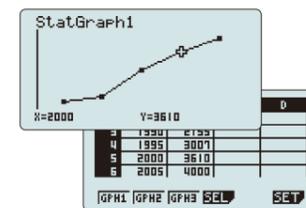
Now teachers as well as students can create their own problems and study materials. Students get the opportunity to learn at their own pace for more efficient study both at school and at home. eActivity is a great motivator for learning and understanding.



## Built-in Software

### Spreadsheet

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



## Other Features

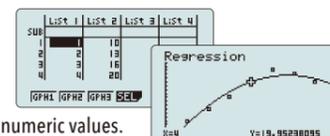
### Probability



Normal distribution, Student's t-distribution, and other often-used statistical calculations are provided in function format for easier practical application.

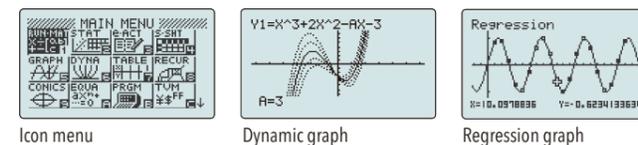
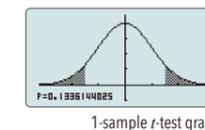
### List-based Statistics

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

Perform tests, confidence interval, probability distribution, and other calculations and graphing.



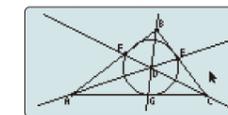
## Add-in Software

### 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

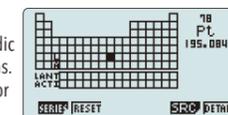
Geometry add-in software is designed to make learning geometry fun.



### Downloadable Software

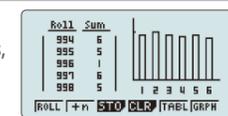
### Phisium

The Phisium 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.



### Probability Simulation\*

Simulate probability events using dice roll, coin toss, card draw, and other probability simulations and perform statistical analysis.



- Coin Toss • Dice Roll • Spinner • Marble Grab • Card Draw • Random Numbers

\* Downloading from the Web and user installation is required.

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

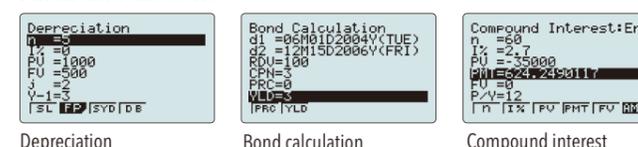
<http://edu.casio.com/dl/>

## Inequality Graphing



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.

## Financial Functions

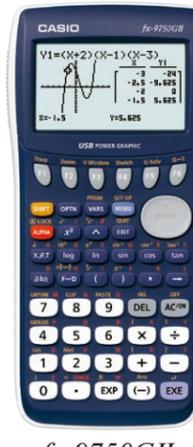


- Depreciation • Bond calculation • Simple interest • Compound interest
- Investment appraisal (cash flow) • Amortization • Interest rate conversion (annual percentage rate and effective interest rate) • Cost, selling price, or margin
- Day or date calculations

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

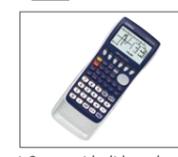
### POWER GRAPHIC

- Dot matrix display (128 × 64 dots)
- High-resolution LCD
- High-speed CPU
- Rectangular coordinate graphing, Polar coordinate graphing
- Parametric function graphing, Inequality graphing
- Table and Graph
- Dual graph (table and graph, graph and graph)
- Solve (root, minimum, maximum, intersection, integration)
- Dynamic graph
- Conic section graph
- Recursion graph
- 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, intervals, distributions
- Pie chart
- Bar graph
- Numeric equation solver, Simultaneous equations, Polynomial equations
- Financial functions
- Programming
- Data communication
- Direct connection to a projector
- User memory: 62,000 bytes
- USB Port



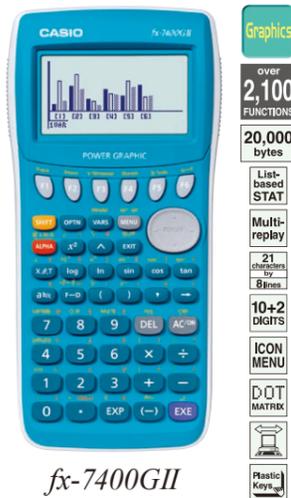
fx-9750GII

- over 2,800 FUNCTIONS
- 10+2 DIGITS
- 62,000 bytes
- ICON MENU
- DOT MATRIX
- List-based STAT
- Multi-replay
- 21 characters for 8lines



\* Comes with slide-on hard case.

# GRAPHIC MODELS



fx-7400GII



\* Comes with slide-on hard case.

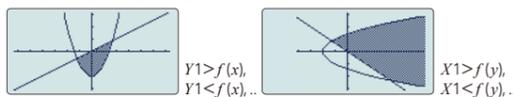
- Graphics
- over 2,100 FUNCTIONS
- 20,000 bytes
- List-based STAT
- Multi-replay
- 21 characters by 8 lines
- 10+2 DIGITS
- ICON MENU
- DOT MATRIX
- Plastic Keys

### POWER GRAPHIC

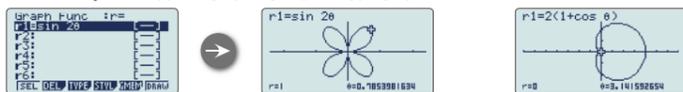
- High-definition display (128×64 dots)
- Inequality Graphing • Polar Graph • X= Graph
- Graph Solve Function (Root, Intersection)
- Sketch (Tangent) • Bar Graph/Pie Chart
- Random Number Function • Quotient, Remainder
- String Functions • Unit Conversion
- Solve Calculations (EQUA mode)
- GCD/LCM • 12 Types of Regression
- Complex Calculations
- Catalog Function
- Polynomial Function (EQUA mode)
- Simultaneous Functions (EQUA mode)
- Base-n Calculation
- Display Language Setting
- Data communication (requires optional 3-pin cable, FA-124USB for connecting with PC)

### Main Functions

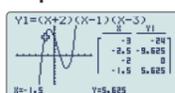
**Inequality Graphing** Supports graphing of  $X > f(y)$ , inequalities.



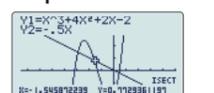
**Polar Graph** Supports graphing of polar type graphs.



**Graph & Table**



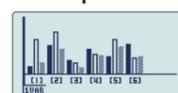
**Graph Solve Function**



**Pie Chart**



**Bar Graph**



# PROGRAMMABLE MODELS

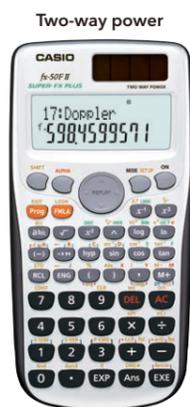


SUPER-FX PLUS  
fx-5800P

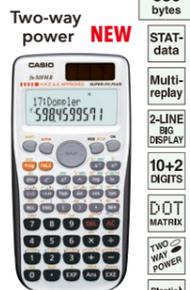
- 664 FUNCTIONS
- 28,500 bytes
- NATURAL TEXTBOOK
- List-based STAT
- Multi-replay
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

### Natural Textbook Display, More Powerful Program Functions, 4-line Display

- Program functions
- 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-50FII



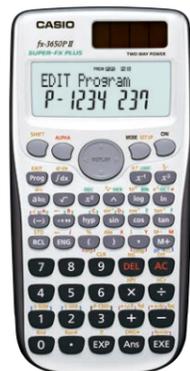
fx-50FHII  
HKEAA approved model

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

### BASIC-like Program, 2-line Display, Multi-replay Function

- Program functions (4 program areas)
- Multi-replay function
- 2-line big display
- Complex number calculations
- Combination and permutation
- 23 built-in formulas
- Fraction calculations
- 40 scientific constants
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- 7 variables
- Base-n calculations/conversions
- Logical operations
- Comes with slide-on hard case.

### Two-way power NEW

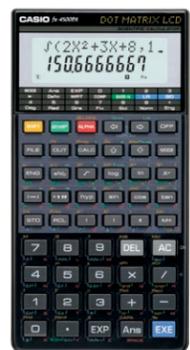


SUPER-FX PLUS  
fx-3650P II

- 308 FUNCTIONS
- 390 bytes
- STAT-data
- Multi-replay
- 2-LINE BIG DISPLAY
- 10+2 DIGITS
- DOT MATRIX
- TWO-WAY POWER
- Plastic Keys

### BASIC-like Program, 2-line Display, Multi-replay Function

- Program functions (4 program areas)
- Multi-replay function
- 2-line big 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
- Comes with slide-on hard case.



fx-4500PA

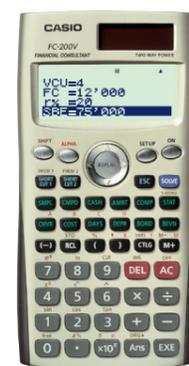
- 242 FUNCTIONS
- 1,103 bytes
- 2-LINE BIG DISPLAY
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

### 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

# FINANCIAL MODELS

### Two-way power



FINANCIAL CONSULTANT  
FC-200V

### AAA-size (R03) battery



FINANCIAL CONSULTANT  
FC-100V

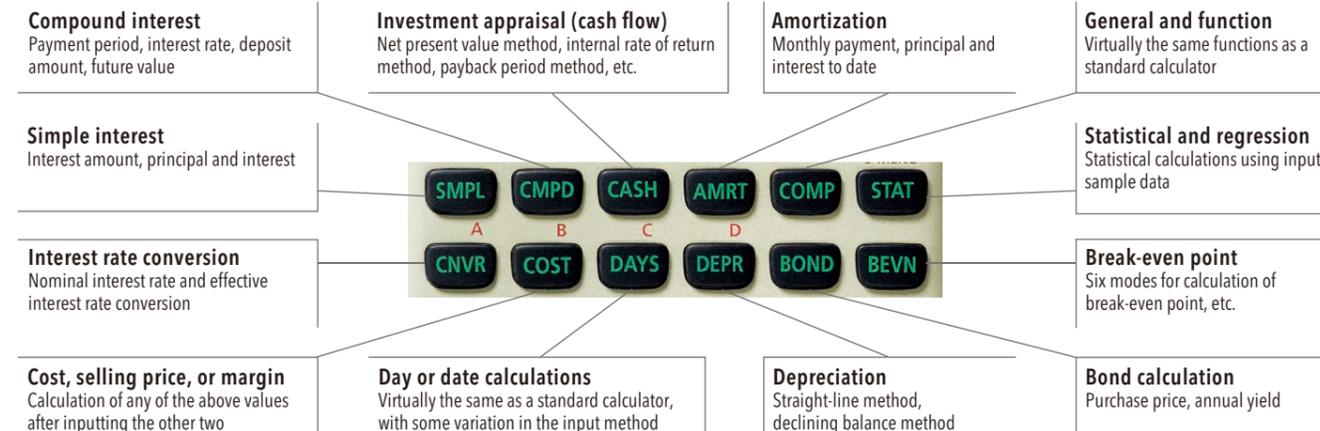
- 4-LINE DISPLAY
- 10+2 DIGITS
- DOT MATRIX
- Plastic Keys

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

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

- Plastic keys
- Comes with new slide-on hard case.
- Power supply:  
FC-200V: Solar cell and a single G13 type button battery (LR44)  
FC-100V: One AAA-size battery (R03)
- Approximate battery life:  
FC-200V: 3 years (1 hour of operation per day)  
FC-100V: 17,000 hours continuous display of flashing cursor
- Dimensions:  
FC-200V: 12.2 (H) × 80 (W) × 161 (D) mm  
FC-100V: 13.7 (H) × 80 (W) × 161 (D) mm
- Approximate weight: FC-200V: 105g; FC-100V: 110g

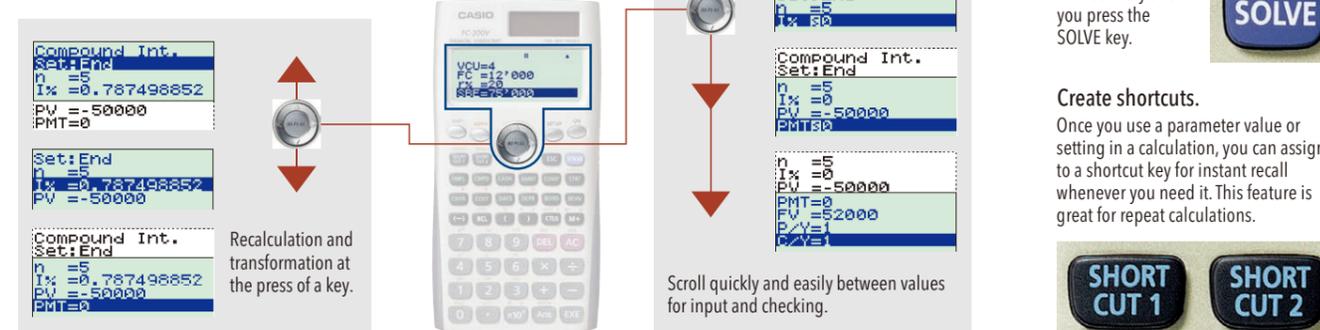
### A bank of mode keys provides you with one-touch access to the mode you need.



	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	•	•

### Easy operation with parameters

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



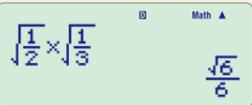
### Classroom models that make it easy to teach and easy to learn!

#### Natural Textbook Display format!

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.

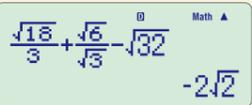
##### Natural input

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



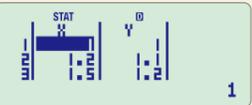
##### Natural output

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



##### Full-dot display

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



*\* Conventional input method can also be used.*

#### Natural Textbook Display examples

Fraction	Square root	Logarithmic	Fraction and square root	Expression with square root	Trigonometry
$\frac{4}{5} + \frac{2}{3}$	$\sqrt{2+2\sqrt{2}}$	$\log_2(9) \times \log_3(\frac{1}{8})$	$\frac{2+\sqrt{2}}{1+\sqrt{2}}$	$\sin(75^\circ)$	$\cos(30^\circ)$
$\frac{22}{15}$	$3\sqrt{2}$	-6	$\sqrt{2}$	$\frac{\sqrt{6}+\sqrt{2}}{4}$	$\frac{\sqrt{3}}{2}$

#### 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.  
 $56 = 2^3 \times 7$



#### 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.

**RanInt#(1,6)** → 4 → 6 → 1

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

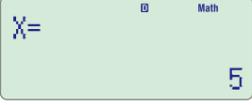
#### Ratio calculation

95ES PLUS

Select the ratio type and enter the non-x coefficients... The calculator displays the value of x.

**a:b = x:d → 1:2 = x:10**

$x = 5$



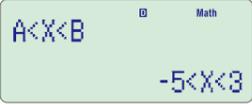
#### Inequality

95ES PLUS

Select the inequality type and enter the non-x coefficients... The calculator displays the solution of the inequality.

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

$-5 < x < 3$



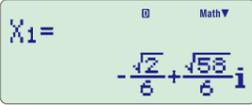
#### New equation mode

95ES PLUS | 570ES PLUS | 991ES PLUS

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

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

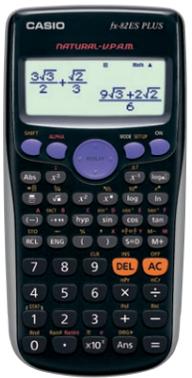
$x = -\frac{\sqrt{2}}{6} \pm \frac{\sqrt{58}}{6}i$



#### Natural textbook display models

AAA-size (R03) battery

(Black) **fx-82ES PLUS** (White)



Two-way power

**fx-85ES PLUS**



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

#### Main functions:

- Prime factorization
- Random integers

#### Standard functions:

- Coordinate transformation
- Power calculation
- Trigonometry
- Fraction calculations
- Combination and permutation
- 9 variables
- Statistics (List-based STAT data editor, Standard deviation, Regression analysis)
- Table function

#### ES PLUS series standard functions

- Coordinate transformation:  $\text{Pol}(\frac{1}{8}, \frac{\sqrt{3}}{8})$ ,  $r=0.25, \theta=60$
- Power calculation:  $2^2 + 3^3 + 4^4 = 287$
- Statistics: Data registration, Regression calculation (1.376315789),  $\Sigma x^2$  value calculation (7.13)
- Trigonometry:  $\cos(30^\circ) = \frac{\sqrt{3}}{2}$
- Table function: Formula registration, Start value input (1), End value input (5), Step value (1), Table calculation
- Fraction calculations
- Combination and permutation
- 9 variables

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

#### AAA-size (R03) battery

**fx-95ES PLUS**

**274 FUNCTIONS**

NATURAL V.P.A.M.

List-based STAT

Multi-replay

10+2 DIGITS

DOT MATRIX

Plastic Keys

#### Main functions

- Prime factorization
- Random integers
- New equation mode
- Inequality
- Ratio calculation

#### Standard functions plus additional function

- Equation calculations: Equation menu, Cubic equation ( $X_1 = -5, X_2 = 2, X_3 = 1$ ), Simultaneous linear equations ( $X = -\frac{1}{13}, Y = \frac{18}{13}$ ), Quadratic equation ( $X_1 = \frac{-\sqrt{2} + \sqrt{6}}{2}i, X_2 = \frac{-\sqrt{2} - \sqrt{6}}{2}i$ )

#### 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

#### Main functions

- New equation mode
- Random integers

#### Standard functions plus additional functions

- Integration calculations:  $\int_0^2 \frac{1}{2} dx = 1$
- Differential calculations:  $\frac{d}{dx}(\sin(x))|_{x=\frac{\pi}{2}} = 0$
- Vector calculations:  $\vec{v} = -1$
- CALC function:  $3A+B = 25$
- Matrix calculations:  $\text{MatA}(m \times n), m \times n$
- SOLVE function: Solve for X ( $X = 0$ ),  $Y = AX^2 + B$ ,  $X = 1.414213562$ ,  $L-R =$
- Scientific constants:  $\frac{1}{\sqrt{e \cdot \pi}} = 299792458$
- Metric conversions:  $-31^\circ C \rightarrow ^\circ F = -23.8$
- Complex number calculations:  $\frac{-3+2i}{2+i} = -\frac{4}{5} + \frac{7}{5}i$
- Base-n calculation
- Equation calculations

Standard models

S-V.P.A.M. Models

AA-size battery

*fx-82MS*

Two-way power

*fx-85MS*

Button-type battery

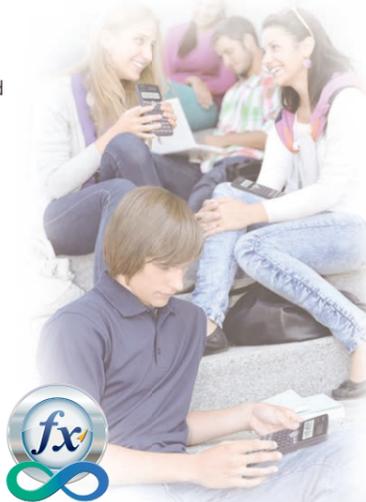
*fx-350MS*

- 240 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.



AA-size battery

*fx-95MS*

244 FUNCTIONS

- 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

- 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
- CALC function
- SOLVE function

Two-way power

*fx-991MS*

Button-type battery

*fx-570MS*

401 FUNCTIONS

- 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
- Metric conversions
- CALC function
- SOLVE function

### Key Features

Packed with features useful for coursework

**S-V.P.A.M.** Why is S-V.P.A.M. the perfect choice for the classroom?  
Super Visually Perfect Algebraic Method

**Reason 1** Perfect Algebraic Method    **Reason 2** 2-line Display    **Reason 3** Replay Function

CASIO S-V.P.A.M. calculators let you input calculation formulas just as they are written in your textbook.

• Two-line display lets you view the expression and its result at the same time.  
A separator symbol is displayed every three digits when the integer part of the mantissa has more than three digits.

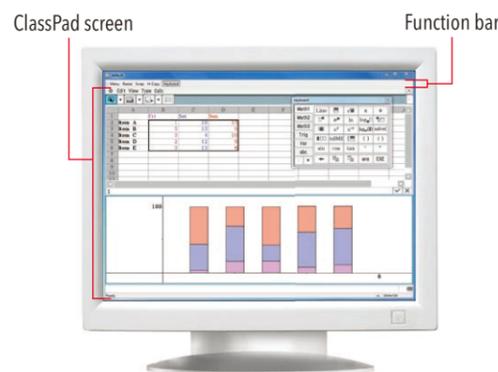
**Example**  
 $34^5 \div 61n 7 = 3891531.513$

• Move the cursor to make changes for recalculation without having to input the entire expression.

**Example**  
 $34^5 \div 61n 7 = 3891531.513$  →  $34^5 \div 61og 7 = 8960582.451$

SUPPORTING OPTIONS IN THE CLASSROOM

Software



**ClassPad Manager**  
for ClassPad II Series

- FA-CP400A (Single License)
- FA-CP400B (School License)

**ClassPad Manager**  
for ClassPad Series

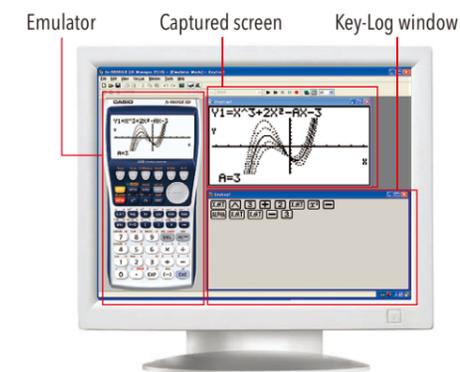
- FA-CP330A (Single License)
- FA-CP330B (School License)



- Laplace transform/Fourier transform
- Geometry application
- Financial functions
- Differential Equation Graph application
- Spreadsheet application

**System Requirements**

- Operating systems: Windows Vista® (32-bit), Windows® 7 (32-bit / 64-bit), Windows® 8 (32-bit / 64-bit), Windows® 8.1 (32-bit / 64-bit)
- CD-ROM drive
- Display resolution: XGA or higher



**fx-Manager PLUS**

- FA-9860A (Single License)
- FA-9860B (School License)

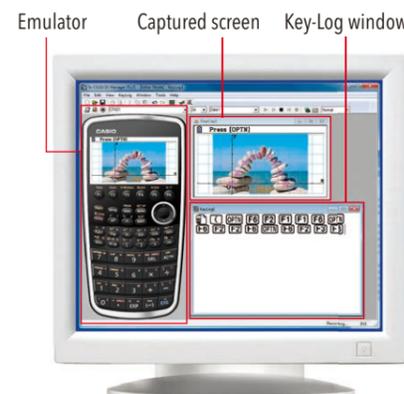


- fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Series Calculator Emulation  
Mimics calculator operation using a computer mouse and keyboard.
- Copy and paste between the Spreadsheet application and Excel®
- Key-Log Editor  
Key-Log auto play of recorded key operations/Step playback
- Emulator LCD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

**System Requirements**

- Operating Systems: Windows Vista® (32-bit), Windows® 7 (32-bit / 64-bit), Windows® 8 (32-bit / 64-bit), Windows® 8.1 (32-bit / 64-bit)
- Others: Microsoft® Excel® 2000, Microsoft® Excel® 2003, or Microsoft® Excel® 2007
- USB port
- CD-ROM drive
- Display resolution: XGA or higher

FA-124USB Data Communication Package



**fx-CG Manager PLUS**  
for fx-CG Series (for Windows®)

- FA-CG1A (Single License)
- FA-CG1B (School License)

**fx-CG Manager PLUS**  
for fx-CG Series (for Mac)

- FA-CG1MA (Single License)
- FA-CG1MB (School License)

- fx-CG20 Calculator Emulation  
Mimics fx-CG20 calculator operation using a computer mouse and keyboard
- Key-Log Editor  
Key-Log auto play of recorded key operations
- Step playback
- Emulator LCD screen capture

**System Requirements**

- Operating Systems: Windows Vista® (32-bit), Windows® 7 (32-bit / 64-bit), Windows® 8 (32-bit / 64-bit), Windows® 8.1 (32-bit / 64-bit)
- CD-ROM drive
- Display resolution: XGA or higher

- fx-CG20 Calculator Emulation  
Mimics fx-CG20 calculator operation using a computer mouse and keyboard
- Key-Log Editor  
Key-Log auto play of recorded key operations
- Step playback
- Emulator LCD screen capture

**System Requirements**

- Operating Systems: Mac OS® X (10.6.X / 10.7.X / 10.8.X / 10.9.X)
- CD-ROM drive
- Display resolution: XGA or higher

**FC EMULATOR**  
for FC-200V

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

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

**System Requirements**

- Operating Systems: Windows® XP Home Edition, Windows® XP Professional (32-bit), Windows Vista® (32-bit), Windows® 7 (32-bit), Windows® 8 (32-bit)
- CD-ROM drive
- Display resolution: XGA or higher

**fx-ES PLUS Emulator**  
for fx-ES PLUS Series

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

- Emulation of fx-82ES PLUS / 85ES PLUS / 350ES PLUS / 570ES PLUS / 991ES PLUS  
Emulation of fx-ES PLUS Series calculator operation using your computer mouse and keyboard.
- Emulator LCD screen image capture

**System Requirements**

- Operating Systems: Windows Vista® (32-bit), Windows® 7 (32-bit / 64-bit), Windows® 8 (32-bit / 64-bit), Windows® 8.1 (32-bit / 64-bit)
- CD-ROM drive
- Display resolution: XGA or higher



### Exacting Focus on Functions Useful in Outdoor Work

Shock-resistance\*1, water-resistance, and dust-resistance\*2 suitable for hard use in the field. A civil engineering surveying calculator preloaded with practical programs

\*1 Complies with the MIL-STD-810G standard for impact strength  
In testing involving a total of 26 drops on each face, edge and corner from 122 cm (4 feet) and 90 cm  
\*2 Conforms to the IP Code, an international standard for water-resistance and dust-resistance  
IP Code: IPX4 (Second characteristic numeral indicates water-resistance)  
IP Code: IP5X (First characteristic numeral indicates dust-resistance)

Shock-resistant

Water-resistant

Dust-resistant



### Optimal durability and ease of use for outdoor work

#### A durable body unaffected by natural environments

The fx-FD10 is resistant to drops of up to 122 cm\*1 (MIL-STD-810G Method 516.6-Shock equivalent\*2). High shock resistance ensures durability for outdoor use, and the smoothly rounded corner shape prevents damage due to dropping.

\*1 The test data show actual results based on Casio standards and are not a guarantee that actual products will incur no external blemishes, damage, or malfunction.

\*2 The US Department of Defense MIL-STD-810G Method 516.6-Shock shock resistance testing method involves the dropping of a test item from a height of 4 ft (122 cm) onto plywood (luan) on each of 6 faces, 8 corners, and 12 edges, for a total of 26 drops, which may be divided among up to five samples of the same test item.

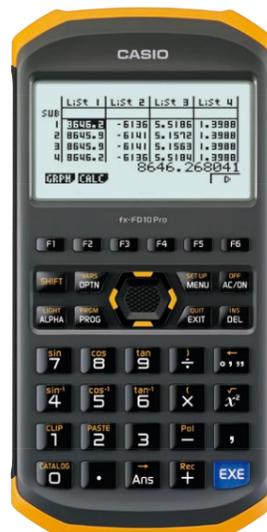


#### IP54-Compliant Water-Resistance and Dust-Resistance

The fx-FD10 Pro conforms to the IP Code, or Ingress Protection Rating, an international standard for water-resistance\*1 and dust-resistance\*2. Rigorous specifications for water-resistance and dust-resistance ensure that the calculator can be safely used outdoors.

\*1 IP Code: IPX4 (Splash-proof: Water splashing from any direction has no harmful effect.)

\*2 IP Code: IP5X (Dust-proof: Ingress of dust in sufficient quantity to interfere with the operation of the equipment is prevented.) Note: When all covers for connectors, etc. are closed



fx-FD10 Pro

\*SD memory card not included

NEW

61 KB

List-based STAT

Multi-replay

21 programs

8 lines

10+2 DIGITS

ICON MENU

DOT MATRIX

Plastic Key

SD CARD

#### Built-in backlight for work in dim locations or low-light times of day

The calculator has a backlit display and illuminated keyboard, which permit operation in dim locations or low-light evening conditions.



#### Screw-operated battery cover (water-resistant)

The battery lock prevents the battery cover from opening due to drop impact.



#### Side keys facilitate operation even when one hand is occupied.

It's easy to search for the desired program with one hand, freeing up the other hand to perform various tasks.



#### Strap holes (5 locations)



### 21 preloaded basic formula programs useful at civil engineering surveying worksites

- AXISTRAN (Axis Transformation)
- R-TRIG (Right Triangle Trigonometry)
- PYTHAGOR (Pythagorean)
- COORD (Coordinate Calculation)
- ANGLE (Bearing Angle)
- TRAVERSE (Traverse Calculation)
- INVERSE (Inverse Calculation)
- DECENTER (Decentering)
- MID-ORD (Middle Ordinate)
- S-CURVE (Single Curve)
- CL-CURVE (Clothoid Curve)
- V-CURVE (Vertical Curve)
- FORWARD (Forward Intersection)
- BACKWARD (Backward Intersection)
- INTSEC1 (Coordinates of Intersection for 3 points & 1 angle)
- INTSEC2 (Coordinates of Intersection for 4 points)
- V-LINE (Calculation of Perpendicular Coordinate and Distance)
- TRIANGLE (Area of Triangle)
- QUADRANG (Area of Quadrangle)
- HERON (Heron Formula)
- STADIA (Stadia Calculation)

7. Inverse Calculation

Input Value  $(X_A, Y_A)$ : Reference point A coordinates  
 $(X_O, Y_O)$ : Backsight point O coordinates  
 $(X_P, Y_P)$ : Collimation point P coordinates

Output Value  $l_0$ : Length of line segment OA  
 $\alpha_0$ : Azimuth of line segment OA  
 $l$ : Length of line segment AP  
 $\alpha$ : Azimuth of line segment AP  
 $\beta$ : Included angle

9. Middle Ordinate

Input Value  $I$ : Angle of intersection  
 $R$ : Curved line radius

Output Value  $M_1$ : Middle ordinate  
 $M_2$ : Middle ordinate (divided equally into four parts)

12. Vertical Curve

Input Value  $i_1, i_2$ : Slope  
 $R$ : Vertical curve radius  
 $x$ : Arbitrary point

Output Value  $l$ : Length of vertical curve  
 $M$ : Distance from intersection point V  
 $y$ : Distance from arbitrary point x

14. Backward Intersection

Input Value  $(X_A, Y_A)$ : Point A coordinates  
 $l_A$ : Length of line segment AP  
 $(X_B, Y_B)$ : Point B coordinates  
 $l_B$ : Length of line segment BP

Output Value  $(X_P, Y_P)$ : Sought point P coordinates

### Program List Direct Call-up

Direct call-up of programs from the program list is possible.

The PROG key enables one-touch call-up of the program list. Use of the PROG key together with the side keys facilitates program selection and execution.



### Data sharing with a PC is possible.

Data obtained using surveying instruments can be imported into the fx-FD10 Pro.

Data obtained using surveying instruments can be imported into the fx-FD10 Pro in the prescribed format (CSV format) using a USB device or SD card.



Some surveying instrument models are not equipped with USB ports or SD slots. It is possible to analyze and obtain measurement data using the programming function. Imported data in the prescribed format can be selected according to subsequent requirements from a matrix, spreadsheet, or list.

#### S-SHT (Spreadsheet)

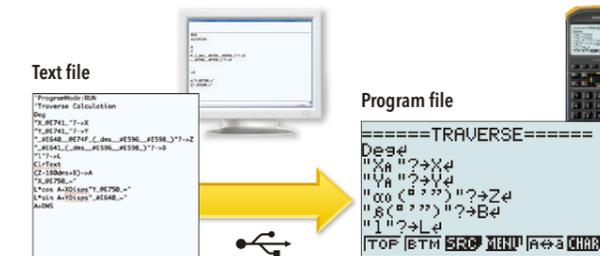


Use this mode to perform spreadsheet calculations. Data input and calculations performed on-site can be easily transferred to a PC.

The calculator can be programmed using a PC.

Programming using any Windows® PC editor software is possible by conforming to the prescribed command specification (text files). When files are imported to the fx-FD10 Pro using a USB device, they are automatically converted to program code executable by the calculator.

The calculator also has a function for converting program files to text files for editing on a PC.



Text files can be easily transferred to the calculator using a USB device.

**Display** •Dot matrix: 128 × 64 dots •Backlit **Keyboard** •Number of keys: 38 + 3 side keys •Large illuminated keys **Interface** •USB port (Mass Storage device) •SD card slot **Memory** •User memory program area: 61 KB •Storage memory: 1 MB **System** •OS update function •CSV import •Program conversion **Software** •Matrix •Complex •Statistics •Spreadsheet •Unit conversions: 107 •Built-in formulas: 21 (surveying only) **Program** •Call Up a list of programs •Variable entry: Don't display previous value (? → A) / Display previous value (? A) •Angle display (►DS command) •Variable Memory: 28 **Hardware** •Water-resistance: IPX4 •Dust-resistance: IP5X •Shock-resistance: MIL-STD-810G (810G Method 516.6-Shock) •Operating temperature range: 0°C to 40°C (AAA-size alkaline batteries), -5°C to 45°C (nickel-metal hydride batteries) •Dimensions H × W × D (mm): 21.0 × 88.5 × 177.5 • Approximate weight (g): 250 (including batteries) • Power supply: Four AAA-size alkaline batteries or four nickel-metal hydride batteries • Approximate battery life (hours): 200 (AAA-size alkaline batteries) / 120 (nickel-metal hydride batteries), assuming 5 minutes calculation and 55 minutes display per hour and backlighting set to switch off after 30 seconds



Scientific Calculators Specification Table

	Standard Models									
	fx-570ES PLUS	fx-991ES PLUS	fx-82MS	fx-85MS	fx-350MS	fx-95MS	fx-100MS	fx-115MS	fx-991MS	fx-570MS
<b>Specifications</b>	417	417	240	240	240	244	300	300	401	401
Number of functions	417	417	240	240	240	244	300	300	401	401
Power supply (Main)	AAA × 1 (R03)	Two-way power (Solar + LR44 × 1)	AA × 1	Two-way power (Solar + LR44 × 1)	LR44 × 1	AA × 1	AA × 1	Two-way power (Solar + LR44 × 1)	Two-way power (Solar + LR44 × 1)	LR44 × 1
Power supply (Backup)	—	—	—	—	—	—	—	—	—	—
Approximate battery life Main (hours)	17,000*4	3 years (LR44)*3	17,000*4/2 years*5	3 years (LR44)*3	9,000*4/3 years*5	17,000*4/2 years*5	17,000*4/2 years*5	3 years (LR44)*3	3 years (LR44)*3	9,000*4/3 years*5
Approximate battery life Backup (years)	—	—	—	—	—	—	—	—	—	—
Dimensions H×W×D (mm)	13.8 × 80 × 162	11.1 × 80 × 162	18.6 × 85 × 156	12.2 × 85 × 155	12.2 × 85 × 155	19.5 × 78 × 155	20 × 78 × 155	12.7 × 78 × 154.5	12.7 × 78 × 154.5	12.7 × 78 × 154.5
Approximate weight (g)	100	95	125	100	100	130	133	105	105	105
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
Display	31 × 96 dots	31 × 96 dots	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits
Display capacity (characters)	15	15	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
Icon menus	—	—	—	—	—	—	—	—	—	—
Internal operation digits	15	15	15	15	15	15	15	12	15	15
Nested parentheses levels	24	24	24	24	24	24	24	24	24	24
<b>Programming Functions</b>	—	—	—	—	—	—	—	—	—	—
Program logic	—	—	—	—	—	—	—	—	—	—
Memory (bytes)	—	—	—	—	—	—	—	—	—	—
Program areas	—	—	—	—	—	—	—	—	—	—
Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—
Built-in formulas	—	—	—	—	—	—	—	—	—	—
<b>Utilities</b>	—	—	—	—	—	—	—	—	—	—
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	9	9	9	9	9	9	9	9	9	9
Auto power off	•	•	•	•	•	•	•	•	•	•
<b>Special Features</b>	—	—	—	—	—	—	—	—	—	—
Base-n calculations (Binary/Octal/Hexadecimal)	•	•	—	—	—	—	•	•	•	•
Logical operations	•	•	•	•	•	•	•	•	•	•
Engineering symbol calculations	•	•	•	•	•	•	•	•	•	•
Engineering notation (ENG/ENG)	•	•	•	•	•	•	•	•	•	•
Scientific constants	40	40	—	—	—	—	—	—	40	40
Metric conversions	40	40	—	—	—	—	—	—	40	40
<b>CAS</b>	—	—	—	—	—	—	—	—	—	—
Computer Algebra System	•	•	•	•	•	•	•	•	•	•
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	•	•	•	•	•	•	•	•	•	•
<b>Calculus</b>	•	•	•	•	•	•	•	•	•	•
Differentiation calculation	•	•	•	•	•	•	•	•	•	•
Integration calculation	•	•	•	•	•	•	•	•	•	•
<b>Algebra</b>	•	•	•	•	•	•	•	•	•	•
Simultaneous equation (3 unknowns)	(3 unknowns)	(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)	(Degree 2, 3)	(Degree 2, 3)
Inequality calculation	•	•	•	•	•	•	•	•	•	•
Table function	•	•	•	•	•	•	•	•	•	•
Matrix calculations	•	•	•	•	•	•	•	•	•	•
Complex number calculation	•	•	•	•	•	•	•	•	•	•
Geometry application	•	•	•	•	•	•	•	•	•	•
Coordinate conversion (Pol, Rec)	•	•	•	•	•	•	•	•	•	•
Vector calculations	•	•	•	•	•	•	•	•	•	•
<b>Probability</b>	•	•	•	•	•	•	•	•	•	•
Combination, permutation (nCr, nPr)	•	•	•	•	•	•	•	•	•	•
<b>Statistics</b>	•	•	•	•	•	•	•	•	•	•
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
<b>Finance</b>	•	•	•	•	•	•	•	•	•	•
Financial functions	•	•	•	•	•	•	•	•	•	•
<b>Spreadsheet</b>	•	•	•	•	•	•	•	•	•	•
Spreadsheet	•	•	•	•	•	•	•	•	•	•
<b>Others</b>	•	•	•	•	•	•	•	•	•	•
eActivity	•	•	•	•	•	•	•	•	•	•
Data communication	•	•	•	•	•	•	•	•	•	•
Others	•	•	•	•	•	•	•	•	•	•

\*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

HEAVY DUTY CALCULATORS



What makes a CASIO "HEAVY DUTY Calculator"?

TWP (Two-Way Power)

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

Extra Large Display

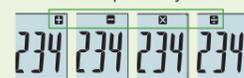
Larger display makes more data easier to read.



Actual size

Function Command Signs

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



A slim, flat body for excellent portability

This slim, flat calculator, just 10mm thick, rests comfortably in the hand and fits easily in a bag or briefcase.

\* JS-140TVS/120TVS only

A tilt display with adjustable angle for ease of viewing

The tilt display ensures ease of viewing.



\* JS-140TVS/120TVS only

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

\* DS-11S/21S/31S, JS-101S/201S/401S: Excluding the M/EX, keys. \* JS-140TVS/120TVS: Excluding the M/EX, TAX+ and TAX- keys.

Key Layout and Key Cap Shape

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



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.

Large Rubber Feet

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



JS-140TVS

\* Photos show JS-140TVS calculator and display.

Desk-Top Type



DS-3TS 14 DIGITS



DS-2TS 12 DIGITS



DS-1TS 10 DIGITS

Compact Desk Type



JS-140TVS-SR 14 DIGITS



JS-40TS 14 DIGITS



JS-40TS-GD 14 DIGITS



JS-120TVS-SR 12 DIGITS



JS-20TS 12 DIGITS



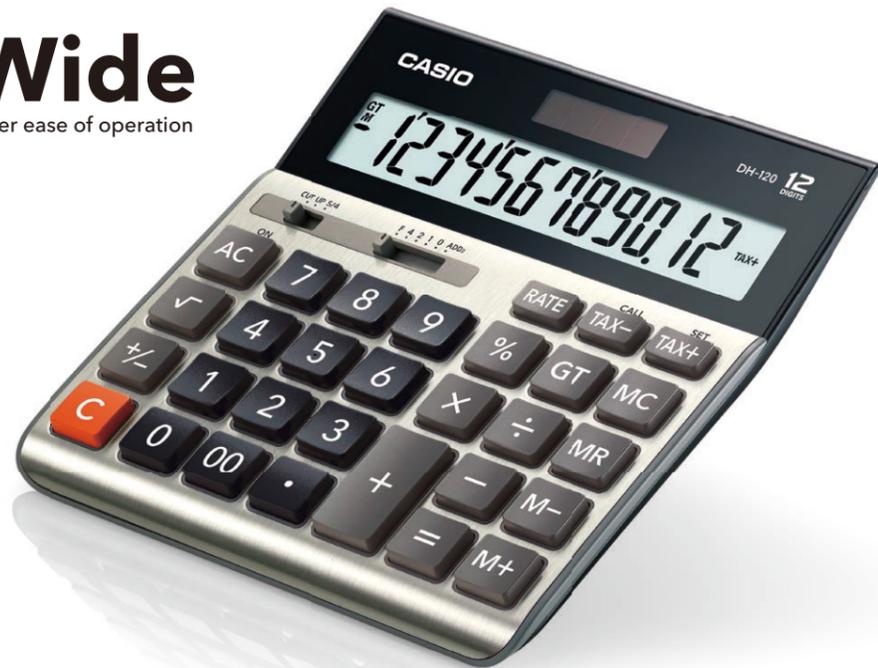
JS-10TS 10 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DS-3TS	14	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	47.8×148×194	310
DS-2TS	12																		

WIDE H SERIES

# The Wide

Wider for greater ease of operation



### Calculators designed for ease of use



**Golden ratio 1to1.618**  
Use of the golden ratio for the length and width of the key area in consideration of the user's viewing angle

**Large, easy-to-use keys**



**Large, easily readable LCD**



### Desk-Top Type



DH-160 **16** DIGITS  
DH-140 **14** DIGITS  
DH-120 **12** DIGITS



DH-16 **16** DIGITS  
DH-14 **14** DIGITS  
DH-12 **12** DIGITS

### Mini Desk Type



MH-16 **16** DIGITS  
MH-14 **14** DIGITS  
MH-12 **12** DIGITS



**NEW**



**NEW**

Model	Digits	Independent memory	GT	%	MU	Key Rollover	+/-	3-digit comma markers	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DH-160/140/120	16/14/12	•	•	•	—	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power (Solar+Battery)	28.5×151×159	185
DH-16/14/12	16/14/12	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power (Solar+Battery)	28.5×151×159	180
MH-16/14/12	16/14/12	•	•	•	•	•	•	•	•	•	•	•	—	—	Two-way power (Solar+Battery)	27.6×127×136.5	125

## DUAL DISPLAY CALCULATORS

### Desk-Top Type



DV-220 **12** DIGITS  
+ **12** DIGITS

### Compact Desk Type



JV-220 **12** DIGITS  
+ **12** DIGITS

### Mini Desk Type



MV-210 **10** DIGITS  
+ **10** DIGITS

### The calculator with large and small LCD displays for easier operation.

#### NOTE

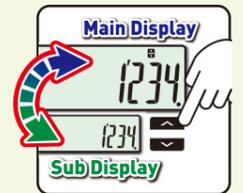
Press these keys to copy values from one display to the other for future reference. There's no need to jot down numbers on paper.

#### Dual Calculation

Press this key to jump between displays to perform two different calculations simultaneously.

#### Assistant Display Function

Use the two displays to view tax calculation, currency conversion, and cost/sell/margin calculations results.



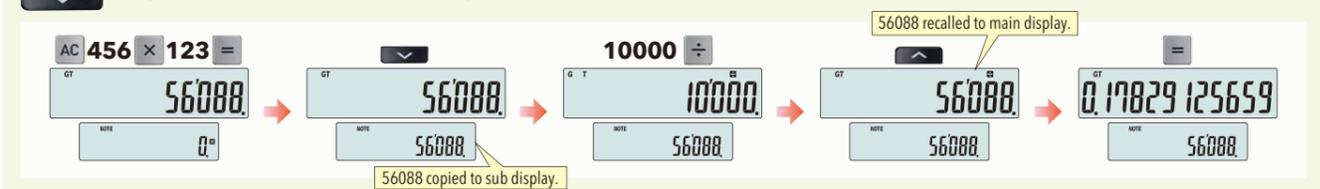
### What You Can Do with a Dual Display

#### NOTE

Copy a value from the main display to the sub display for later reference. A copied value can be moved between the two displays.

#### Example

Perform the calculation **456×123** on the main display and copy the result (**56088**) to the sub display. Next, recall the result back to the main display to perform the calculation **10000÷56088**.



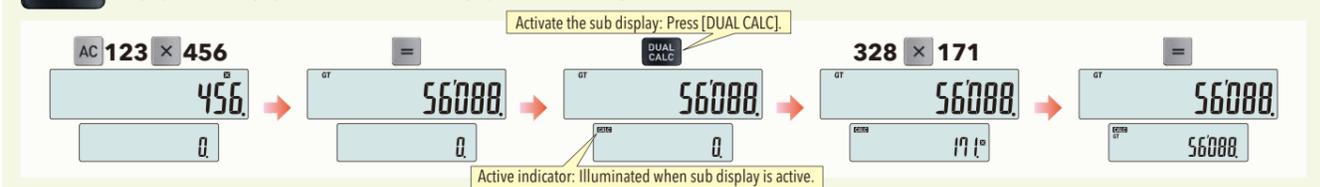
### Dual Calculation



Independent calculations can be performed simultaneously on the main display and sub display. The results on the two displays can then be compared.

#### Example

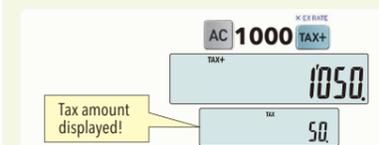
On the main display: **123×456**  
On the sub display: **328×171**



### Assistant Display Function

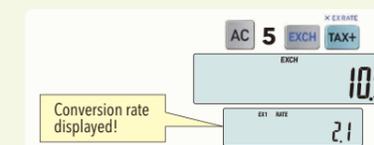
#### Tax Calculations

During tax calculations, the sub display shows the tax amount. (Example below shows calculation with a tax rate of 5%.)



#### Currency Conversion Calculations

The main display shows the conversion result, while the sub display shows the conversion rate. Two displays allow both values to be viewed simultaneously.



#### Cost/Sell/Margin Calculations

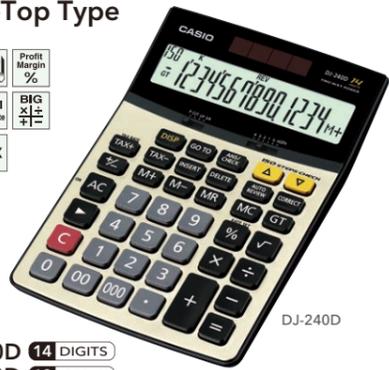
The result of a cost/sell/margin calculation is shown on the sub display. Two displays allow confirmation of both values.



Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	+/-	3-digit comma markers	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DV-220	12	• NOTE	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	35.4×135.5×187	255
JV-220	12	• NOTE	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	26.5×107×180.5	195
MV-210	10	• NOTE	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	31.5×111×146	160

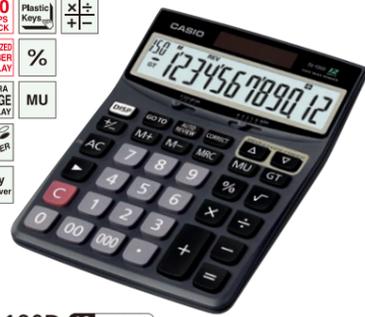
Desk-Top Type

- 150 STEPS CHECK
- Plastic Keys
- Profit Margin %
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- TAX
- BIG  $\frac{x}{y}$
- Metal Facelift
- $\frac{x}{y}$
- MU



DJ-240D 14 DIGITS  
DJ-220D 12 DIGITS

- 150 STEPS CHECK
- Plastic Keys
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- %
- MU



DJ-120D 12 DIGITS

Compact Desk Type

- 150 STEPS CHECK
- Plastic Keys
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- %
- MU



JJ-120D 12 DIGITS

Mini Desk Type MJ-12VC 12 DIGITS

- 150 STEPS CHECK
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- %
- $\frac{x}{y}$



MJ-12VC-WE



MJ-12VC-GN



MJ-12VC-RG

Mini Desk Type

- 150 STEPS CHECK
- Plastic Keys
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- MU
- TAX
- %



MJ-120D



MJ-120D-BU



MJ-120D-WE

MJ-120D 12 DIGITS

- 150 STEPS CHECK
- Plastic Keys
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- MU
- TAX
- %



MJ-100D 10 DIGITS

- 150 STEPS CHECK
- Plastic Keys
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- %
- MU



MJ-12D 12 DIGITS

Portable Type NJ-120D 12 DIGITS

- 150 STEPS CHECK
- LOCALIZED NUMBER DISPLAY
- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rollover
- %
- $\frac{x}{y}$



NJ-120D-BK



NJ-120D-BU



NJ-120D-RD

150 Steps Check

Review and Auto Review

The calculator stores up to 150 steps in memory, which you can scroll through using the  $\Delta$  and  $\nabla$  keys.

**Review up to 150 calculation steps.**

**Example**  $123+456+\dots-321=149765$

Step 1 Step 2 Step 149 Step 150

STEP REVIEW

**Auto Review** Auto Review by pressing one single button!

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

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

**DELETE**

You can add steps to or delete steps from Calculation Memory. Note that if the number of steps in Calculation Memory exceeds 150, you will not be able to review them later.

**Example**

Current calculation:  $(20-5-5) \times 3 = 30$

Revised calculation:  $(20-5) \times 5 \div 3 = 25$

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

**ANS/CHECK** Recall a previous calculation result and use it in the next calculation!

Go to (Excluding NJ-120D / MJ-12D and MJ-12VC)

**GO TO** Jump to a particular calculation step by pressing one single button.

**GO TO** Press the GO TO Key.

Display is cleared.

**GO TO** Press GO TO again to jump to the step you specified.

Correct

**CORRECT** While reviewing a calculation, you can make changes in values and operators and re-execute to obtain a new result.

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

**ANS/CHECK** Compare the results of two calculations!

Other useful features!

**GT** **Grand total** (Excluding MJ-120D / MJ-100D and MJ-12VC)  
Automatic totalization of the results of different calculations.

Localized Number Display

Supports local digit separator formats

Choose from four digit separator formats (Type A, Type B, Type C, and Indian) and choose a comma or period as the decimal point. Configure your preferred display format to prevent calculation errors and increase convenience.

Type A:  $1234567890.1234$

Type B:  $1234567890.1234$

Type C:  $1234567890.1234$

Indian:  $1234567890.1234$

One-touch switching between digit separator formats

**DISP** Preselect two digit separator formats and switch between them according to the task.

To switch formats, just press the DISP key!

**Example 1:** Type A  $1234567890.1234$   $\xrightarrow{\text{DISP}}$  Type B  $1234567890.1234$

**Example 2:** Type A  $1234567890.1234$   $\xrightarrow{\text{DISP}}$  Indian  $1234567890.1234$

\*The LCD examples are from a DJ-240D.

Check Calculator

Model	Digits	Independent memory	GT	%	Profit margin %	MU	$\frac{x}{y}$	$\frac{x}{y}$	3-digit comma markers	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Others
DJ-240D/220D	14/12	•	•	•	•	—	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	38×146×219	285	150 STEPS CHECK & Localized Number Display
DJ-120D	12	•	•	•	—	•	•	•	•	—	•	•	•	0,1,2,3,4	•	Two-way power	35×140×191	205	
JJ-120D	12	•	•	•	—	•	•	•	•	—	•	•	•	0,1,2,3,4	•	Two-way power	25.2×107×178.5	140	
MJ-120D/100D	12/10	•	•	•	—	•	•	•	•	•	—	•	•	—	•	Two-way power	30.1×123×140	130	
MJ-12D	12	•	•	•	—	•	•	•	•	•	—	•	•	—	•	Two-way power	30.1×123×140	130	
MJ-12VC	12	•	•	•	—	•	•	•	•	•	—	•	•	—	•	Two-way power	26.2×105.5×144	110	
NJ-120D	12	•	•	•	—	•	•	•	•	•	—	•	•	—	•	Two-way power	7.5×70×108.5	50	



Take your choice!

Mini Desk Type MS-20NC 12 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rotlover
- Plastic Keys
- Tax & Exch.
- Profit Margin %
- X<sup>1/2</sup> ±
- +/-



MS-20NC-WE MS-20NC-GN MS-20NC-BU MS-20NC-RG MS-20NC-RD MS-20NC-PK MS-20NC-BRD MS-20NC-BRG MS-20NC-BYW MS-20NC-BK

Mini Desk Type MS-6NC 8 DIGITS

- LARGE DISPLAY
- TWO WAY POWER
- Key Rotlover
- Plastic Keys
- TAX
- Profit Margin %
- X<sup>1/2</sup> ±
- +/-



MS-6NC-WE MS-6NC-GN MS-6NC-BU MS-6NC-PK MS-6NC-BRD MS-6NC-BK

Portable Type SL-300NC 8 DIGITS

- EXTRA LARGE DISPLAY
- TWO WAY POWER
- Key Rotlover
- Plastic Keys
- TAX
- Profit Margin %
- X<sup>1/2</sup> ±
- +/-



SL-300NC-WE SL-300NC-GN SL-300NC-BU SL-300NC-RG SL-300NC-RD SL-300NC-PK SL-300NC-BRD SL-300NC-BRG SL-300NC-BYW SL-300NC-BK

Portable Type SL-100NC 8 DIGITS

- LARGE DISPLAY
- TWO WAY POWER
- Key Rotlover
- TAX
- Profit Margin %
- X<sup>1/2</sup> ±
- +/-



SL-100NC-RD SL-100NC-BU

Model	Digits	Independent memory	%	Profit margin %	X <sup>1/2</sup>	±	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case
MS-20NC	12	•	•	•	•	•	•	—	•	•	Two-way power	22.1×104.5×149.5	125	—
MS-6NC	8	•	•	•	—	•	•	—	•	•	Two-way power	19.2×87×120.5	70	—
SL-300NC	8	•	•	•	•	•	•	•	•	•	Two-way power	8×70×118.5	50	Wallet
SL-100NC	8	•	•	•	—	•	•	—	•	•	Two-way power	Ⓟ13.5×91×55 Ⓣ9.4×91×110.5	55	—

ⓅFolded ⓉUnfolded

# STYLISH CALCULATORS

## Desk-Top Type DW-200TW (12 DIGITS)



## Compact Desk Type JW-200TW (12 DIGITS)



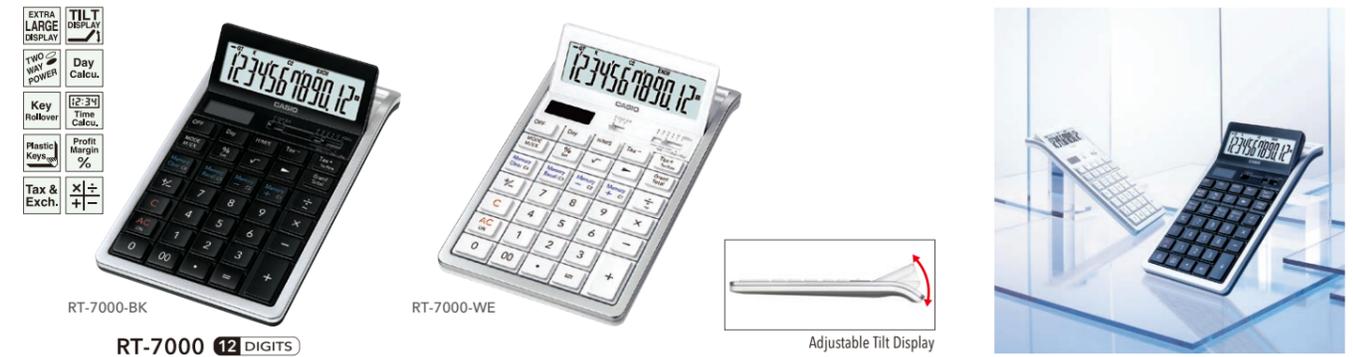
## Portable Type SL-1000TW (10 DIGITS)



Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	Cost Sell Margin	5/4	Cut	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case
DW-200TW	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	32.7×122.5×177.5	195	—
JW-200TW	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	26.1×107×178.5	170	—
SL-1000TW	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	8.5×70×118.5	60	Wallet

# THE DESIGNER CALCULATORS

## Compact Desk Type



# WATER-PROTECTED AND DUST-PROOF CALCULATORS

## Desk-Top Type



## Mini Desk Type



\* Complies with IEC 60529 IP54 (water protect and dust proof)

# 3-LINE DISPLAY CALCULATORS

## Desk-Top Type



DF-320TM (12 DIGITS)

\* Supplies extremely limited

## Mini Desk Type



MS-310TM (10 DIGITS)

\* Supplies extremely limited

### Cost, Selling Price, and Margin Calculations

For Shopkeepers & Traders  
Perform the operations shown below to calculate cost, selling price, and margin.

COST → 1234567890.12 .....cost  
 MAR → 25% .....margin  
 = 1646090520.16 .....selling price

DF-320TM

## The Designer Calculators

Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Others
RT-7000	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	19.7×108.5×180	250	Day/Date Calculations

## Water-protected and Dust-proof Calculators / 3-Line Display Calculators

Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	+/-	▶	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
WD-220MS	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	34×139×187.5	255
WM-220MS	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	34.6×104×153.5	135
DF-320TM	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	32.3×124×179.5	200
MS-310TM	10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	30×103×156	120

Desk-Top Type

**Adding Machine**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

TAX  $\times \pm$   
%  
MU  
MD

DS-120TV **12** DIGITS

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

TAX  
Profit Margin %

DM-1200S **12** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
TAX  
%

DM-1600B **16** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
TAX  
%

DM-1400B **14** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
Profit Margin %  
COST SELL MAR  
TAX

DM-1200BM **12** DIGITS

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

%  
MU

D-60L

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

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Tax & Exch.  
Profit Margin %

D-120B **12** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
Profit Margin %  
COST SELL MAR  
TAX

DF-120BM **12** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

COST SELL MAR  
TAX  
TILT DISPLAY  
Metal Facplate

DW-120MS **12** DIGITS

Adjustable Tilt Display

Compact Desk Type

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys  
Tax & Exch.

Profit Margin %  
 $\times \pm$   
%

J-120B **12** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys  
Metal Facplate

COST SELL MAR  
TAX  
Profit Margin %  
 $\times \pm$

JF-120BM **12** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys  
Metal Facplate

COST SELL MAR  
TAX  
TILT DISPLAY  
Profit Margin %  
 $\times \pm$

JW-120MS **12** DIGITS

Adjustable Tilt Display

Mini Desk Type

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Time Calc.  
Profit Margin %  
 $\times \pm$

MS-470V **14** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
Profit Margin %  
COST SELL MAR  
TAX

MS-120BM

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

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Metal Facplate  
Profit Margin %  
Tax & Exch.

MS-80B **8** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Tax & Exch.  
Profit Margin %  
 $\times \pm$

MS-20B

MS-20B **12** DIGITS  
MS-10B **10** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

Tax & Exch.  
Profit Margin %  
 $\times \pm$

MS-8B **8** DIGITS

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

TAX  
Profit Margin %  
 $\times \pm$

MS-270TV

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

**Easy calculation of cost, selling price and margin.**

• DM-1200BM / DF-120BM / DW-120MS / JF-120BM / JW-120MS  
MS-120BM / MS-100BM

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

1 AC 150 SELL 150.  
2 30 MAR 30.  
3 MAR 45.  
4 COST 105.

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

1 AC 120 COST 120.  
2 40 MAR 40.  
3 MAR 80.  
4 SELL 200.

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

1 AC 1000 COST 1'000.  
2 2000 SELL 2'000.  
3 MAR 50.

Model	Digits	Adding machine	Independent memory	Cost Sell Margin	GT	%	Profit margin %	MU	MD	$\checkmark$ +/-	3-digit comma markers	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-1600B	16	•	2	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	36.3x155x209	265
DM-1400B	14	•	2	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	36.3x155x209	265
DM-1200BM	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	36.3x155x209	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-120B	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	32.6x126.5x179.5	165
DF-120BM	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	32.6x126.5x179.5	180
DW-120MS	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	32.7x122.5x177.5	195

EXTRA LARGE DISPLAY  
TWO-WAY POWER  
Key RoRoVer  
Plastic Keys

TAX  
Time Calc.  
Profit Margin %  
 $\times \pm$

MS-7TV **8** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
Plastic Keys

%  
(AA SIZE x1)

MW-8V-BK

MW-8V **8** DIGITS

**NEW**

EXTRA LARGE DISPLAY  
Plastic Keys

%  
(AA SIZE x1)

MW-5V-BK

MW-5V **8** DIGITS

Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	$\checkmark$ +/-	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-120B	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	—	25.4x107x177.5	140
JF-120BM	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	—	25.4x107x177.5	150
JW-120MS	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	—	26.1x107x178.5	170
MS-470V	14	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	—	30.4x111x142.5	125
MS-120BM/100BM	12/10	•	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	—	28.8x103x147	115
MS-80B	8	•	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	—	28.8x103x147	115
MS-20B/10B	12/10	•	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	—	28.8x103x147	110
MS-8B	8	•	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	—	28.8x103x147	110
MS-270TV/170TV	12/10	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,3,4	•	Two-way power	—	30.4x111x142.5	125
MS-7TV	8	•	•	•	•	•	•	•	•	•	•	•	•	—	•	Two-way power	—	30.4x111x142.5	120
MW-8V	8	•	•	•	•	•	•	•	•	•	•	•	•	—	•	AA (LR6 or R6P) x1	2	28.8x103x145	120
MW-5V	8	•	•	•	•	•	•	•	•	•	•	•	•	—	•	AA (LR6 or R6P) x1	2	25.1x84x118	85

LR6=AM3, R6P=UM-3

Portable Type



LC-1000TV 10 DIGITS



LC-401LV 8 DIGITS



LC-401LV-WE



LC-403TV 8 DIGITS



LC-160LV-BK



LC-160LV-WE



SL-340VA 14 DIGITS



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



SL-300TV 8 DIGITS



SL-300LV 8 DIGITS



SL-240LB 14 DIGITS



SL-220TE 12 DIGITS  
SL-200TE 8 DIGITS



SL-210TE 10 DIGITS



SL-100L 8 DIGITS

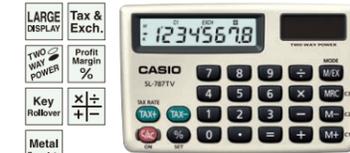
Portable Type



SL-797TV 8 DIGITS



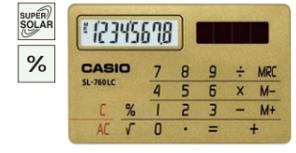
SL-797TV-BK



SL-787TV-GD



SL-787TV-BK



SL-760LC-GD



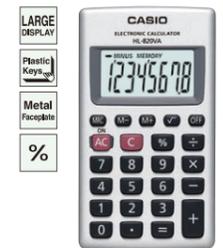
SL-760LC-BK



HL-122TV 12 DIGITS



HL-100LB 10 DIGITS



HL-820VA 8 DIGITS



HL-820LV-BK 8 DIGITS



HL-820LV-WE



HL-815L-BK 8 DIGITS



HL-815L-WE



HL-4A 8 DIGITS



HS-8VA 8 DIGITS



HS-8LV-BK 8 DIGITS



HS-8LV-WE

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 H×W×D (mm)	Approximate weight (g)	Case
LC-1000TV	10	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	3 yrs.	7.5×70×118.5	50	Wallet
LC-401LV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	4,500	① 10.7×75×120 ② 7.3×151.5×120	70	Hard
LC-403TV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	3 yrs.	7.5×70×118.5	50	Wallet
LC-160LV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	6,500	① 10×87×58 ② 8×87×117.5	35	Hard
SL-340VA	14	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-320TV	12	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-315TV	10	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-300TV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-300LV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet
SL-240LB	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Two-way power	—	① 12.5×120×73 ② 6.5×120×141	76	—
SL-220TE	12	•	—	•	•	—	•	—	—	—	—	—	—	•	•	Two-way power	—	① 12.5×120×73 ② 6.5×120×141	76	—
SL-210TE	10	•	—	•	•	—	•	—	—	—	—	—	—	•	•	Two-way power	—	① 12.5×120×73 ② 6.5×120×141	75.5	—
SL-200TE	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	① 12.5×120×73 ② 6.5×120×141	76	—
SL-100L	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	① 13.5×91×55 ② 9.4×91×110.5	55	—

LR54=LR1130

① Folded ② Unfolded

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 H×W×D (mm)	Approximate weight (g)	Case
SL-797TV	8	•	—	•	•	—	—	—	—	—	—	—	—	—	—	Two-way power	—	6.9×57×102	35	Wallet
SL-787TV	8	•	—	•	•	—	—	—	—	—	—	—	—	—	—	Two-way power	—	6.3×91.5×58	30	Wallet
SL-760LC	8	•	—	•	•	—	—	—	—	—	—	—	—	—	—	Solar	—	2.9×85.5×54	15	Soft
HL-122TV	12	•	•	•	•	—	•	•	•	•	•	•	•	•	•	AA (LR6 or R6P)×1	17,500	19.5×77×141	115	Soft
HL-100LB	10	•	—	•	•	—	—	—	—	—	—	—	—	—	—	AA (LR6 or R6P)×1	2 yrs.	18×69.5×118	65	—
HL-820VA	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	2 yrs.	6.9×57×102	35	Wallet
HL-820LV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	6,500	① 10×62.5×104 ② 7.5×127×104	45	Hard
HL-815L	8	•	—	•	•	—	—	—	—	—	—	—	—	—	—	AA (LR6 or R6P)×1	2 yrs.	18×69.5×118	65	—
HL-4A	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	LR54×1	6,500	8.8×56×87	25	—
HS-8VA	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	6.9×57×102	35	Wallet
HS-8LV	8	•	—	•	•	—	•	—	—	—	—	—	—	—	—	Two-way power	—	6.7×57×102	35	Wallet

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

① Folded ② Unfolded

VALUE SERIES

Desk-Top Type



GX-16S 16 DIGITS



GX-14S 14 DIGITS



GX-120S 12 DIGITS



GZ-12S-BK

GZ-12S 12 DIGITS

GZ-12S-WE



DX-120ST 12 DIGITS



Adjustable Tilt Display



DX-120S 12 DIGITS



DZ-12S-BK

DZ-12S 12 DIGITS

DZ-12S-WE

Compact Desk Type



AX-120ST 12 DIGITS



Adjustable Tilt Display



AX-120S 12 DIGITS



AX-12S 12 DIGITS

Mini Desk Type



MX-120S 12 DIGITS



MZ-12S-BK

MZ-12S 12 DIGITS

MZ-12S-WE



MX-8S 8 DIGITS

Portable Type



SX-320P 12 DIGITS



SX-300P 8 DIGITS



SX-300 8 DIGITS



SX-220 12 DIGITS



SX-100 8 DIGITS

Model	Digits	Independent memory	GT	%	MU	✓	+/-	▶	3-digit comma markers	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
GX-16S	16	2	—	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	34.5×155×210	230
GX-14S	14	2	—	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	34.5×155×210	230
GX-120S	12	2	—	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	35.5×155×210	260
GZ-12S	12	2	—	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	34.5×155×210	230
DX-120ST	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	32.7×122.5×177.5	195
DX-120S	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	36×126×175	190
DZ-12S	12	•	•	•	•	•	•	•	•	•	•	•	•	0,1,2,4	•	Two-way power	35×126×175	170

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	—
MZ-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

## Mini-printer

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



HR-8TM-BK

HR-8TM 12 DIGITS



HR-8TM-GY



HR-8TM-RD

## Compact Type

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



HR-100TM 12 DIGITS

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



HR-150TM 12 DIGITS

## Desk-Top Type

- 2 COLOUR PRINT
- %
- 2.4 LINES/SEC.
- MU MD
- TAX



FR-2650T 12 DIGITS

- 2 COLOUR PRINT
- Plastic Keys
- %
- COST SELL MAR
- MU MD
- LARGE DISPLAY
- TAX
- LINE PRINT
- Key Rollover



DR-120TM-BK

DR-120TM 12 DIGITS



DR-120TM-WE

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



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

Set the rate you want 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?

- CA 150 SELL 150.
- 30 MAR 105.
- MAR 45.
- COST 105.

••0••CA

150 • S\* ← ① Selling price  
30 • M% ← ② Margin (%)  
105 • C• ← Cost

30 • M% ← ③ Margin (%)  
45 • M• ← Margin amount

### Selling Price

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

- CA 120 COST 120.
- 40 MAR 200.
- MAR 80.
- SELL 200.

••0••CA

120 • C• ← ① Cost  
40 • M% ← ② Margin (%)  
200 • S\* ← Selling price

40 • M% ← ③ Margin (%)  
80 • M• ← Margin amount

### Margin

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

- CA 1000 COST 1'000.
- 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
- COST SELL MAR
- 4.4 LINES/SEC.
- TAX
- LARGE DISPLAY
- %
- LINE PRINT
- MU MD
- Key Rollover



DR-210TM 12 DIGITS

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



DR-240TM 14 DIGITS

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



DR-270TM 12 DIGITS

TIME  
Prints the current time and date

Model	Display	Digits	Simple algebraic logic	Adding machine	Sub-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 HxWxD (mm)	Approximate weight (g)	Others
HR-8TM	LCD	12	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	IR-40T	58	1.6*	41.1x99x196	340	Auto power off function
HR-100TM	LCD	12	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	IR-40T	58	2.0*	67x165.5x285	520	Average calculation
HR-150TM	LCD	12	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	IR-40T	58	2.4*	67.4x196x317	700	Average calculation

Model	Display	Digits	Adding machine	Sub-total	GT	Independent memory	Cost Sell Margin	%	MU MD	+/-	3-digit comma markers	2-colour printing	Tax 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 HxWxD (mm)	Approximate weight (kg)	Others	
																											AAx4
FR-2650T	Digitron	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	IR-40T	58	2.4*	70x206x335	1.1	—
DR-120TM	Digitron	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	RB-02	58	3.5**	109.3x214.5x382	1.7	Average calculation
DR-140TM	Digitron	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	RB-02	58	3.5**	109.3x214.5x382	1.7	Average calculation
DR-210TM	Digitron	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	RB-02	58	4.4**	109.3x214.5x382	1.7	Data print function
DR-240TM	Digitron	14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	RB-02	58	4.4**	109.3x214.5x382	1.7	Data print function
DR-270TM	Digitron	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	AC only	RB-02	58	4.8**	109.3x214.5x382	1.9	Clock & Calendar

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

# LABEL PRINTERS

## LABEL IT!

For labels you want to stay securely in place!

EZ-LABEL PRINTER  
**LABEL IT!**

### Labels stay securely in place!

Uses tape that stays firmly in place and is suitable for wide-ranging applications



Large, easy-to-read, 16-digit, 4-line LCD (KL-7400/820 only) \* 3-line input area



### Makes attractive labels



Prints up to 6 lines (KL-7400 only)



### Convenient for high-volume printing! (KL-7400\* only)

#### Auto cutter with half-cut function

Slits only the tape for easy removal from the backing paper



#### Numbering (KL-7400/820\* only)

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



\* KL-7400: Numbering from 0 to 99,999. You can print up to 100 numbered labels per print operation.  
\* KL-820: Numbering from 0 to 999. You can print up to 9 numbered labels per print operation.

### Wide variety of colours and sizes (24mm tape is for the KL-7400/820 only.)



### Multifunction model with half-cut function that's handy for high-volume label printing

#### KL-7400

- Large, easy-to-read, 16-digit, 4-line LCD \* Input area 3 lines
- Handles 24, 18, 12, 9 and 6mm tape widths
- Prints up to 6 lines (24 or 18mm tape)
- 12mm print head / 200 dpi resolution
- Auto cutter with half-cut function
- Designed logo printing
- Barcode printing
- 519 illustrations and symbols
- Numbering

519 illustrations and symbols



### Multifunction model that handles tape widths up to 24mm

#### KL-820

- Large, easy-to-read, 16-digit, 4-line LCD \* Input area 3 lines
- Handles 24, 18, 12, 9 and 6mm tape widths
- 12mm print head / 200 dpi resolution
- Designed logo printing
- Barcode printing
- 87 special characters and symbols
- Numbering

No. BCG-11342  
Personnel Dept.  
CASIO

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



### Compact model

#### KL-120

- Large 16-digit, 2-line LCD
- Handles 18, 12, 9 and 6mm tape widths
- 12mm print head / 200 dpi resolution
- Prints up to 2 lines (18 or 12mm tape)
- Print preview
- 3 character effects



### Basic model

#### KL-60

- 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 (Shading, Underline, Box)



### Portable, easy-to-use Chinese label printer (支持中英文)

#### KL-170 PLUS

- 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 illustrations and special characters built in



## LABEMO

For labels you want to replace from time to time!

The MEP-T10 and MEP-U10 are not available in certain countries in accordance with local laws and regulations.

# Labemo

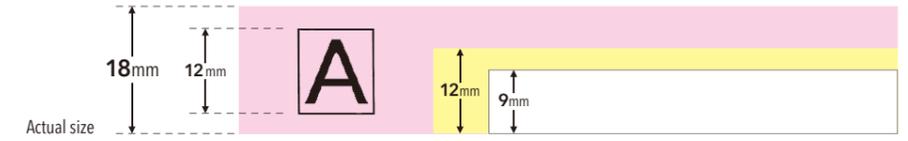
### No adhesive residue! Easy to reattach!



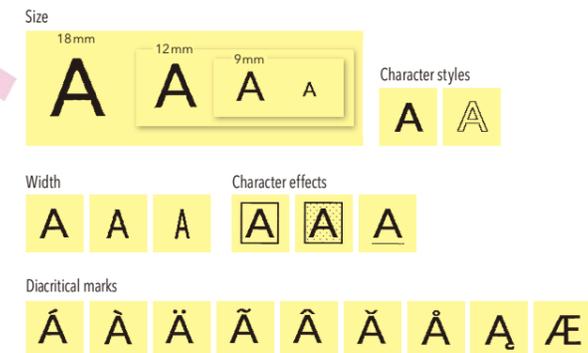
### Attach immediately! No wastepaper!



### Freely attachable and affordable tape



### Simple function keys for effortless operation!



### MEP-K10

- 16-digit, 2-line LCD
- Handles 18, 12 and 9mm tape widths
- Prints up to 3 lines (18mm tape)
- 87 special characters and symbols

### Simple function keys



### Touch Panel and PC-Connectable Model MEP-T10

- Touch Panel operation
- PC-Connectable [USB Connection]
- 3.6-inch touch panel LCD (with backlight)
- Handles 18, 12 and 9mm tape widths
- Prints up to 3 lines (18mm tape)



This product is not available in some countries due to regional restrictions.



### PC-Connectable Model MEP-U10

- PC-Connectable [USB Connection]
- Handles 18, 12 and 9mm tape widths
- Prints up to 3 lines (18mm tape)

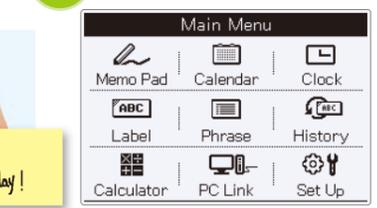


This product is not available in some countries due to regional restrictions.

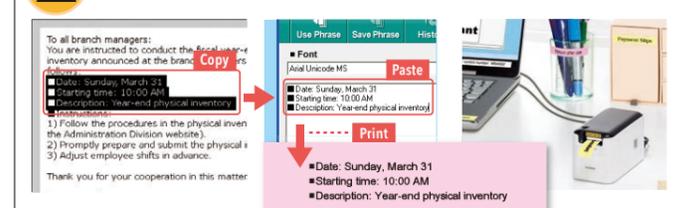


### Printing of Handwritten Text or Illustrations (MEP-T10 only)

### Simple Touch Panel Operation (MEP-T10 only)



### PC-Connectable for quick, convenient label printing!



Input and print text in fonts and languages installed on a PC.



LABEL PRINTERS

**E-Z LABEL PRINTER LABEL IT!**

**Specifications**

Model	KL-7400	KL-820	KL-120	KL-60	KL-170 PLUS
Keyboard layout	QWERTY	QWERTY	QWERTY	QWERTY	QWERTY
Display	128 x 64 dots	95 x 32 dots	96 x 16 dots	5 x 7 dots + cursor	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	200 dpi / 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	漢體, 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	●	●	—	—	—
Languages 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 8 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)	AC adaptor *5 (optional) or 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

\*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/KL-170 PLUS: AD-A95100 \*6 Continuous printing \*7 The height dimension includes the feet. \*8 Not including batteries

**Labemo**

**Specifications**

Model	MEP-K10	MEP-T10	MEP-U10
Connection	Personal computer	—	—
LCD	—	●	●
LCD size	96 x 16 dots	3.6-inch 240 x 160 dots	—
Backlight	—	●	—
Printing	—	●	●
Print resolution (dpi) *1	200	200	200
Maximum printing height (mm) *2	Approx. 12	Approx. 12	Approx. 12
Maximum lines *2	3	3	3
Built-in Data	—	—	—
Fonts	Sans-serif	Sans-serif, Simsun (Chinese) *3	— *3
Installed character types	260	21,685 *3	— *3
Kanji	—	21,003 *3	— *3
Pinyin conversion	—	Approx. 77,000 *3	— *3
Input method	Alphabet	Alphabet, Pinyin (Chinese) *3	— *3
Handwriting	—	●	—
No. of recorded handwritten memos	—	99	—
Time stamp	—	●	—
Clock / Alarm	—	●	—
Calendar	—	●	—
Calculator	—	●	—
Common phrases	—	●	—
Auto power off	●	●	—
Power supply	6 x AA-size alkaline (LR6) batteries (sold separately)	AC adaptor (AD-A12200L) 4 x AA-size alkaline (LR6) batteries (sold separately)	AC adaptor (AD-A12200L)
Accessories	Sample tape x 1	AC adaptor (AD-A12200L) / Sample tape x 1 Windows® PC software CD-ROM x 1 Two touch pens / Dedicated USB cable	AC adaptor (AD-A12200L) / Sample tape x 1 Windows® PC software CD-ROM x 1 Dedicated USB cable
Dimensions: W x D x H *4 (mm)	118 x 184 x 59	119 x 146 x 67	61 x 118 x 68
Approximate weight (g)	365 *5	375 *6	235

\*1 Dpi (dots per inch): number of dots per inch (approx. 25.4mm) \*2 Use of 18mm tape \*3 When linked to a PC, depends on the PC environment \*4 With rubber feet \*5 Without batteries \*6 Without batteries / With touch pens

**Tape replacement is quick and easy.**



**Labemo tape lineup**

Width	18 mm	12 mm	9 mm
BLACK on WHITE	XA-18WE1	XA-12WE1	XA-9WE1
BLACK on YELLOW	XA-18YW1	XA-12YW1	XA-9YW1
BLACK on PINK	XA-18PK1	XA-12PK1	XA-9PK1

Length: 5 meters  
Labemo dedicated tapes cannot be used with LABEL IT! products.

**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)**

Width	18mm	12mm	9mm
RED on WHITE	XR-18WR1	XR-12WR1	XR-9WR1
BLUE on WHITE	XR-18WB1	XR-12WB1	XR-9WB1



**FUNCTION SYMBOLS**

**Scientific Calculator/Financial Consultant**

**763 FUNCTIONS** **1,500 MODES** **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. (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.

**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.

**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.

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

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

**Practical Calculator/Printing Calculator**

**DUAL DISPLAY** **Dual display**  
Equipped with two LCD displays to allow performance of different calculations or viewing of two values.

**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 MARG** **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.

**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 MU MD** **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.

**150 STEPS CHECK** **150 steps check**  
Displays up to 150 previous calculation steps.

**LOCALIZED NUMBER DISPLAY** **Localized number display**  
Displays numbers in four digit separator formats (Type A, Type B, Type C, and Indian). Choice of a comma or period as the decimal point.

**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 LINE/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.

**MODEL INDEX** Red numbers indicate new models.

Model	Page	Model	Page	Model	Page	Model	Page	Model	Page
<b>A</b> AX-12S	34	FA-124USB	14	HL-815L-WE	32	MH-12	21	<b>R</b> RT-7000-BK	28
AX-120S	34	FA-9860A	14	HL-820LV-BK	32	MH-12-WE	21	RT-7000-WE	28
AX-120ST	34	FA-9860B	14	HL-820LV-WE	32	MH-14	21		
		FA-9860C	14	HL-820VA	32	MH-16	21		
<b>C</b> ClassPad 330 PLUS	5	FA-CG1A	14	HR-8TM-BK	35	MJ-12D	23	<b>S</b> SL-100L	31
		FA-CG1B	14	HR-8TM-GY	35	MJ-12VC-BU	24	SL-100NC-BU	26
		FA-CG1MA	14	HR-8TM-RD	35	MJ-12VC-GN	24	SL-100NC-RD	26
		FA-CG1MB	14	HR-100TM	35	MJ-12VC-RD	24	SL-200TE	31
		FA-CP300A/B	14	HR-150TM	35	MJ-12VC-RG	24	SL-210TE	31
		FA-CP400A/B	14	HS-8LV-BK	32	MJ-12VC-WE	24	MJ-100D	23
		FR-100V	10	HS-8LV-WE	32	MJ-120V	23	MJ-120B	23
		FR-200V	10	HS-8VA	32	MJ-120D-WE	23	MJ-120D-BU	23
		FR-2650T	36			MJ-120D-WE	23	MJ-120D-WE	23
		fx-50F II	9			MJ-120D-WE	23	MS-6NC-BK	26
		DH-12	21	<b>J</b> JF-120B	30	MS-6NC-BRD	26	MS-6NC-BRD	26
		DH-12-WE	21	JF-120BM	30	MS-6NC-BU	26	MS-6NC-BU	26
		DH-14	21	JJ-120D	23	MS-6NC-GN	26	MS-6NC-GN	26
		DH-16	21	JS-10TS	20	MS-6NC-PK	26	MS-6NC-PK	26
		DH-120	21	JS-20TS	20	MS-6NC-WE	26	MS-6NC-WE	26
		DH-140	21	JS-20TS-GD	20	MS-7TV	30	MS-7TV	30
		DH-160	21	JS-40TS	20	MS-8B	30	MS-8B	30
		DJ-120D	23	JS-40TS-GD	20	MS-10B	30	MS-10B	30
		DJ-220D	23	JS-120TVS-BK	20	MS-20B	30	MS-20B	30
		DJ-240D	23	JS-120TVS-SR	20	MS-20NC-BK	25	MS-20NC-BK	25
		DM-1200BM	29	JS-140TVS-BK	20	MS-20NC-BRD	25	MS-20NC-BRD	25
		DM-1200S	29	JS-140TVS-SR	20	MS-20NC-BRG	25	MS-20NC-BRG	25
		DM-1400B	29	JV-220	22	MS-20NC-BU	25	MS-20NC-BU	25
		DM-1600B	29	JW-200TW	27	MS-20NC-BYW	25	MS-20NC-BYW	25
		DR-120TM-BK	36	JW-200TW-BK	27	MS-20NC-GN	25	MS-20NC-GN	25
		DR-120TM-WE	36	JW-200TW-BU	27	MS-20NC-RD	25	MS-20NC-RD	25
		DR-140TM	36	JW-200TW-GD	27	MS-20NC-PK	25	MS-20NC-PK	25
		DR-210TM	36	JW-200TW-GN	27	MS-20NC-RG	25	MS-20NC-RG	25
		DR-240TM	36	JW-200TW-PK	27	MS-20NC-WE	25	MS-20NC-WE	25

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Options of Calculators models,  
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