

# 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



# 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."

<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>World's first</b>	<b>One Billion Sales</b>	<b>World's first</b>	<b>40 years Sales Anniversary of Personal calculator since 1972</b>				
														
<b>1957 ►</b>	<b>1965 ►</b>	<b>1967 ►</b>	<b>1972 ►</b>	<b>1983 ►</b>	<b>1985 ►</b>	<b>1995 ►</b>	<b>2006 ►</b>	<b>2008 ►</b>	<b>2010 ►</b>	<b>2011 ►</b>	<b>2012 ►</b>	<b>2013 ►</b>	<b>2014</b>	
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	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		

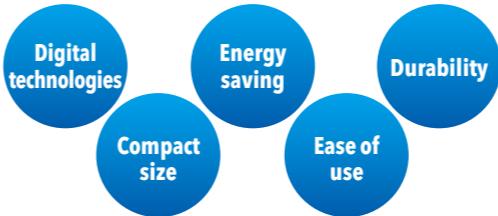
# **Worldwide distribution and service networks**

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.



# 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

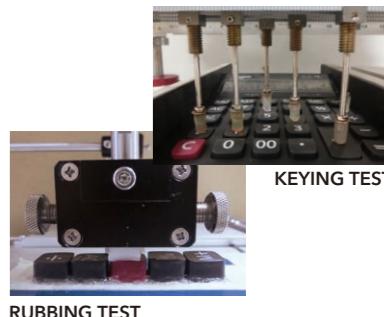
## USABILITY

- 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.



# 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

# SCIENTIFIC CALCULATORS

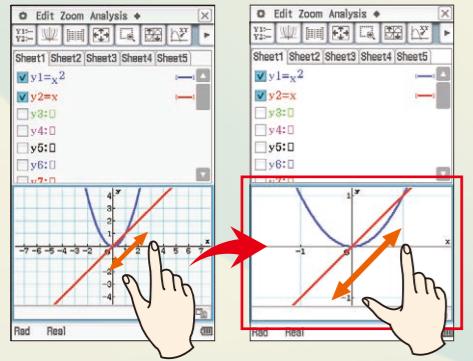
## CAS GRAPHIC MODELS

### 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.

**Color Display**

**Touch Panel**

**Powerful Applications**

**Drag**

**Select**

**Pen-touch Operation**

Quickly and easily create graphs using drag and drop.

©Phillip Minnis-Fotolia.com



500 KB  
NATURAL TEXTBOOK  
ICON MENU  
List-based STAT  
DOT MATRIX  
Multi-replay  
25 characters by 15 lines  
Plastic Keys



\* Comes with snap-on hard case

### ClassPad II fx-CP400

#### Simple interface

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

Main menu

Menu bar

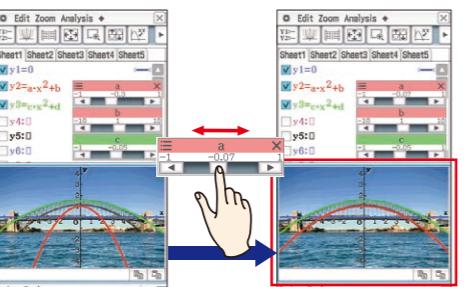
Interactive interface

Graph

Table

#### 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.



#### 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.

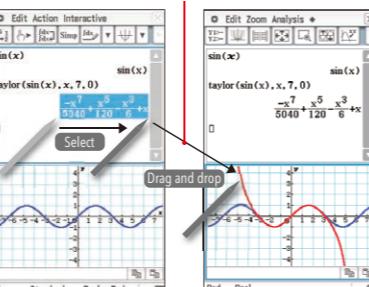
Main menu

Interactive interface

#### 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.

Create a graph by selecting a formula and using drag and drop.



#### Computer Algebra System (CAS)

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

Fourier transforms

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.

Look at the picture of the arched bridge and visualize the mathematical formula.

Make a plot of the arch.

Search for a graph that fits the arch. Use a slider to dynamically plot the graph.

Regression calculation can be used to derive an equation that fits the curve.

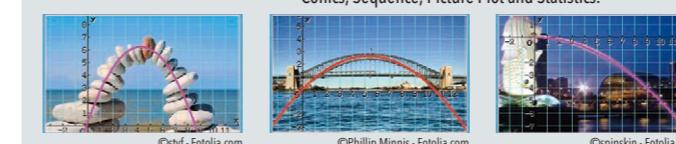
Open the windmill animation.

Plot points corresponding to the motion of the windmill blades.

Convert from an x-y graph to a t-x graph and view change in the x direction over time.

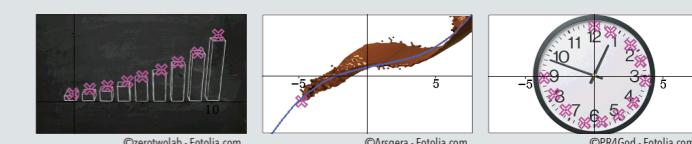
Express how the x coordinate behaves over time using a formula.

#### C2P files – Single images



Plotted C2P files can be used in Graph & Table, eActivity, Conics, Sequence, Picture Plot and Statistics.

#### C2B files – Multiple images



Plotted C2B files can be used in Picture Plot.

More than 50 pictures are pre-loaded on the fx-CP400!

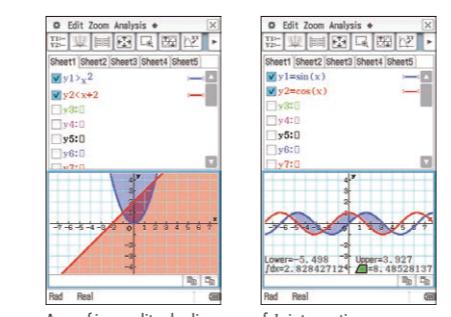
#### Interactive Differential Calculus

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.

#### Graphing function

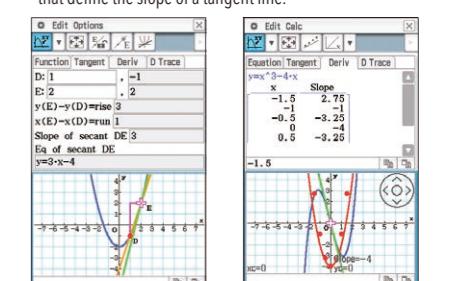
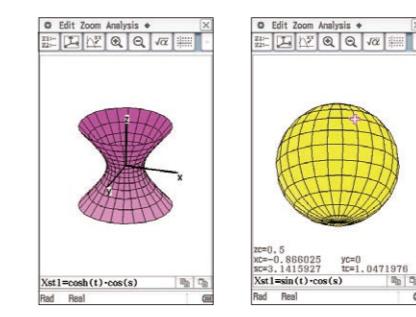
Display formulas and related graphs in the same color and highlight graph characteristics by displaying scale marks, grids, and coordinate values. The vivid color display of the fx-CP400 improves the visibility of graphs and formulas.



Area of inequality shading, grid lines, numbers on axes

#### 3D Graph application

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



Function Tangent Deriv D Trace

D: 1 E: 2

y(E)-y(D)=rise 3

x(E)-x(D)=run 1

Slope of secant DE 3

Eq of secant DE y=3x-4

x(0)=0 y(0)=0

x(1)=1 y(1)=3

x(2)=2 y(2)=6

x(3)=3 y(3)=9

x(4)=4 y(4)=12

x(5)=5 y(5)=15

x(6)=6 y(6)=18

x(7)=7 y(7)=21

x(8)=8 y(8)=24

x(9)=9 y(9)=27

x(10)=10 y(10)=30

x(11)=11 y(11)=33

x(12)=12 y(12)=36

x(13)=13 y(13)=39

x(14)=14 y(14)=42

x(15)=15 y(15)=45

x(16)=16 y(16)=48

x(17)=17 y(17)=51

x(18)=18 y(18)=54

x(19)=19 y(19)=57

x(20)=20 y(20)=60

x(21)=21 y(21)=63

x(22)=22 y(22)=66

x(23)=23 y(23)=69

x(24)=24 y(24)=72

x(25)=25 y(25)=75

x(26)=26 y(26)=78

x(27)=27 y(27)=81

x(28)=28 y(28)=84

x(29)=29 y(29)=87

x(30)=30 y(30)=90

x(31)=31 y(31)=93

x(32)=32 y(32)=96

x(33)=33 y(33)=99

x(34)=34 y(34)=102

x(35)=35 y(35)=105

x(36)=36 y(36)=108

x(37)=37 y(37)=111

x(38)=38 y(38)=114

x(39)=39 y(39)=117

x(40)=40 y(40)=120

x(41)=41 y(41)=123

x(42)=42 y(42)=126

x(43)=43 y(43)=129

x(44)=44 y(44)=132

x(45)=45 y(45)=135

x(46)=46 y(46)=138

x(47)=47 y(47)=141

x(48)=48 y(48)=144

x(49)=49 y(49)=147

x(50)=50 y(50)=150

x(51)=51 y(51)=153

x(52)=52 y(52)=156

x(53)=53 y(53)=159

x(54)=54 y(54)=162

x(55)=55 y(55)=165

x(56)=56 y(56)=168

x(57)=57 y(57)=171

x(58)=58 y(58)=174

x(59)=59 y(59)=177

x(60)=60 y(60)=180

x(61)=61 y(61)=183

x(62)=62 y(62)=186

x(63)=63 y(63)=189

x(64)=64 y(64)=192

x(65)=65 y(65)=195

x(66)=66 y(66)=198

x(67)=67 y(67)=201

x(68)=68 y(68)=204

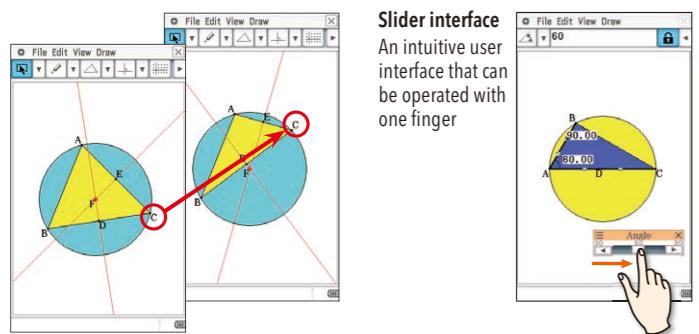
x(69)=69 y(69)=207

x(70)=70 y(70)=210</p

## CAS GRAPHIC MODELS

## Geometry

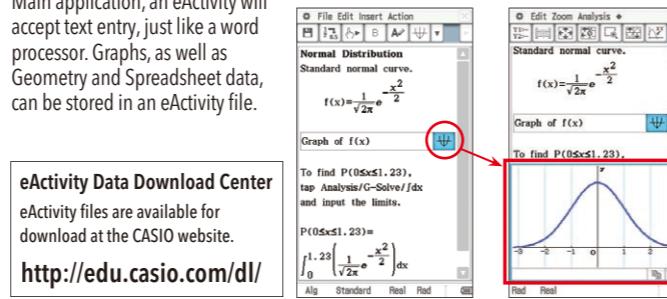
Students can learn general theorems by drawing figures. Dropping a geometric figure into the Main application window will produce the numerical data for the figure. An Animation function enables students to move geometric figures drawn on the screen. The fx-CP400 supports drawing of conics using a focus.



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.

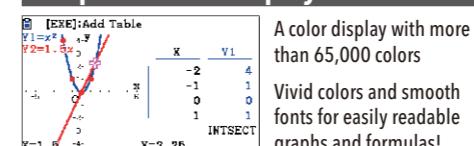
A color model that carries on the tradition of innovation in CASIO graphic scientific calculators!



fx-CG20

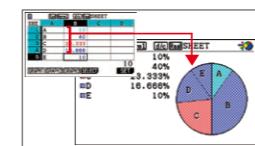
\* Comes with snap-on hard case

## Graphical color display!



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

## Color Link



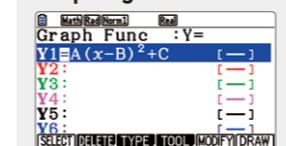
Automatically links colors of values on the spreadsheet screen with colors used in graphs!

- 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, Physium)

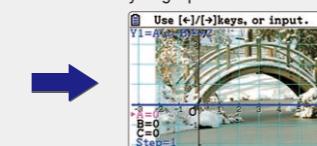
## Single image and multiple images make learning interesting and fun.

## Graphing

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



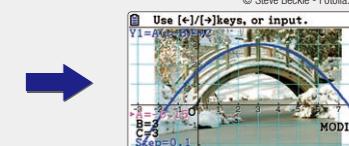
Select the formula for the graph you want to create.



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

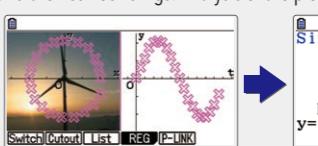
Students can search for and plot curves found in nature and their surroundings. Analysis of the plotted data deepens understanding of the function.



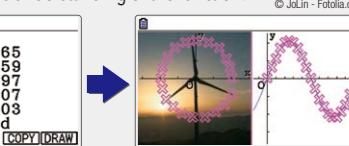
Select an image file.



Create a plot over the selected image.



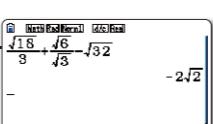
It's possible to simultaneously draw a graph of the time axis by using time values.



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

## Natural textbook display

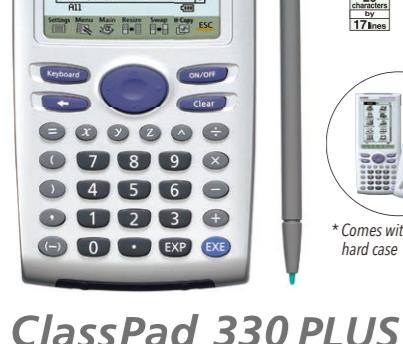
CASIO's original "Natural Expression Input Display" and "Natural Expression Output Display" make it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook. The result is enhanced student comprehension and improved math class efficiency.



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

## 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.



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

- Hyperbolics
- Integration, Differential
- Differential equation
- $\Sigma$ ,  $\Pi$ , 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
- Phyxim

## 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

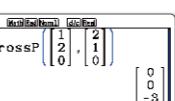


\* For information on supported models, refer to the following URL: <http://edu.casio.com/support/projector/>

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

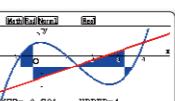
## Vector calculation

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



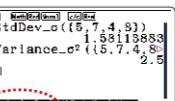
## New integral calculation function

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.



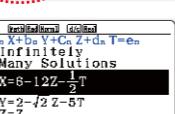
## New deviation commands

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.

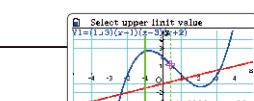


## Out-of-the-box USB operations

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

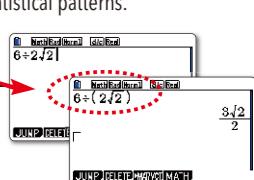
## Integral calculation improvement

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



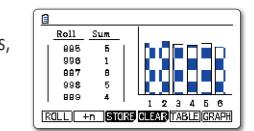
## Random sampling of an existing list

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

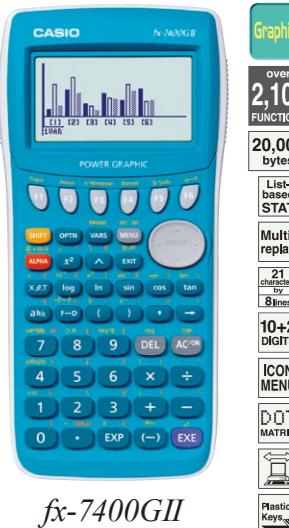
\* Downloading from the Web and user installation is required.

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

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



## GRAPHIC MODELS

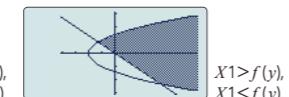
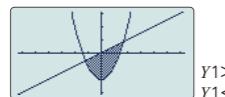
Graphics  
over 2,100 functions  
20,000 bytes  
List-based STAT  
Multi-replay  
2-line display by 8 lines  
10+2 digits  
ICON MENU  
DOT MATRIX  
Plastic Keys

- High-definition display (128×64 dots)
- Inequality Graphing • Polar Graph •  $X=f(y)$
- 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

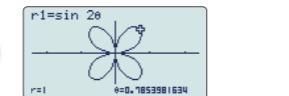
- Complex Calculations
- Catalog Function
- Polynomial Function (EQUA mode)
- Simultaneous Functions (EQUA mode)
- Base-n Calculation
- Display Language Setting
- Data communication (requires optional 3-pin cable, FA-124USB for connecting with PC)

## Main Functions

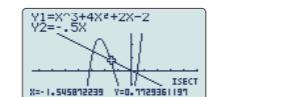
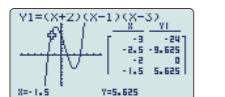
**Inequality Graphing** Supports graphing of  $X>f(y)$ , inequalities.



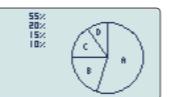
**Polar Graph** Supports graphing of polar type graphs.



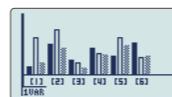
## Graph &amp; Table



## Pie Chart

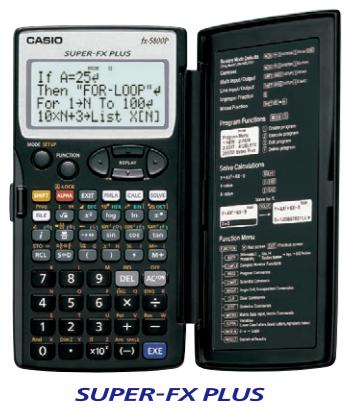


## Bar Graph

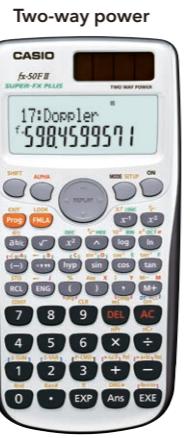
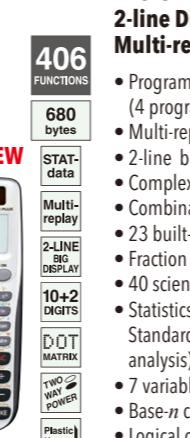


\* Comes with slide-on hard case.

## PROGRAMMABLE MODELS

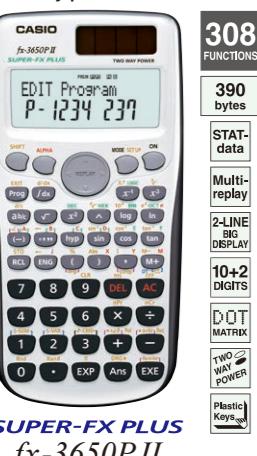
664 FUNCTIONS  
28,500 bytes  
NATURAL TEXTBOOK  
List-based STAT  
Multi-replay  
10+2 DIGITS  
DOT MATRIX  
Plastic KeysNatural Textbook Display,  
More Powerful Program  
Functions, 4-line Display

- 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.

Two-way power  
NEW  
SUPER-FX PLUS  
fx-50FII  
HKEAA approved model406 FUNCTIONS  
680 bytes  
STAT-data  
Multi-replay  
2-LINE BIG DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic KeysBASIC-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

308 FUNCTIONS  
390 bytes  
STAT-data  
Multi-replay  
2-LINE BIG DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic KeysBASIC-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.

242 FUNCTIONS  
1,103 bytes  
2-LINE BIG DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic Keys2-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

fx-4500PA

## FINANCIAL MODELS

## Two-way power

FINANCIAL CONSULTANT  
FC-200V

## AAA-size (R03) battery

FINANCIAL CONSULTANT  
FC-100V

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.

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

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

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

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

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

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

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

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

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

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

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

**Bond calculation**  
Purchase price, annual yield



## Investment appraisal (cash flow)

NPV=16165.85599

## Break-even point

VCU=15  
FC=15000  
PV=-45  
NPV=45585.71429

## Depreciation

FP=24981.80265  
RDV=70426.64735  
J=3

## Compound interest

I%=-0.78595454

## Bond calculation

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

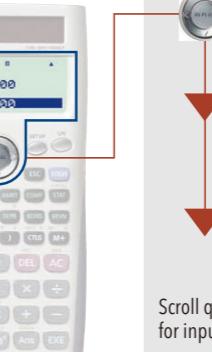
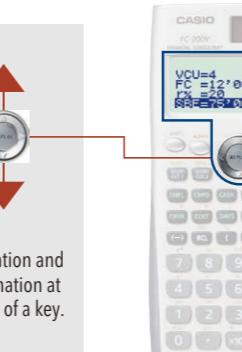
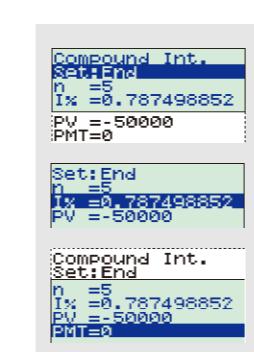
## Interest rate conversion

APR=2.471803524

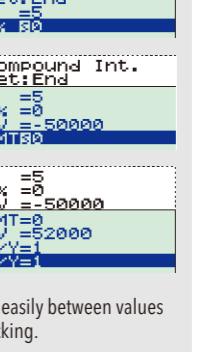
	FC-200V	FC-100V
Simple interest	●	●
Compound interest	●	●
Investment appraisal (cash flow)	●	●
Amortization	●	●
Interest rate conversion	●	●
Cost, selling price, or margin	●	●
Day or date calculations	●	●
Depreciation	●	—
Bond calculation	●	—
Break-even point	●	—
General and function	●	●
Statistical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

## Easy operation with parameters

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



Recalculation and transformation at the press of a key.



Scroll quickly and easily between values for input and checking.

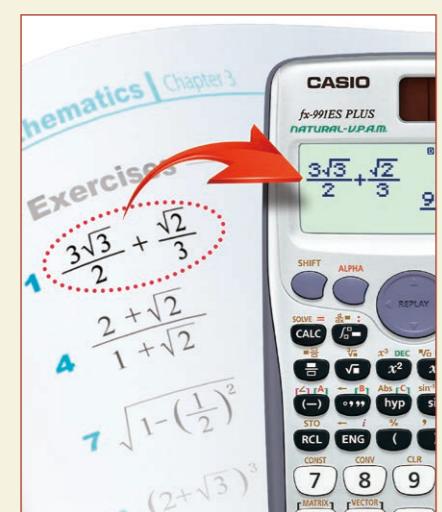
Calculate the result.  
The result appears immediately after you press the SOLVE key.



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



## STANDARD MODELS



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

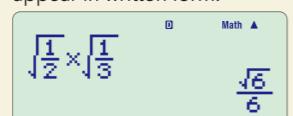


NATURAL-V.P.A.M.

**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.

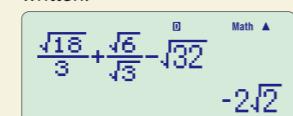
**Natural input**

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



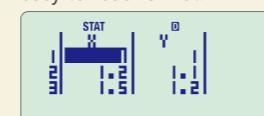
**Natural output**

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
$\frac{4}{5} + \frac{2}{3}$	$\sqrt{2+2\sqrt{2}}$	$\log_2(9) \times \log_3(\frac{1}{8})$	$\frac{2+2\sqrt{2}}{1+\sqrt{2}}$	$\sin(75)$	$\cos(30)$

**Prime factorization**

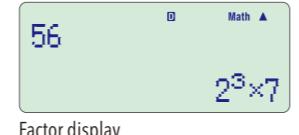
82ES PLUS | 85ES PLUS | 350ES PLUS | 95ES PLUS

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



Problem: Factor  $x^2 - 15x + 56$ .

Result:  $(x-8)(x-7)$

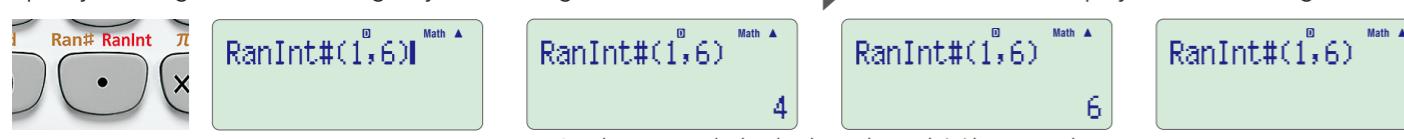


Factor display

**Random integers**

82ES PLUS | 85ES PLUS | 350ES PLUS | 95ES PLUS | 570ES PLUS | 991ES PLUS

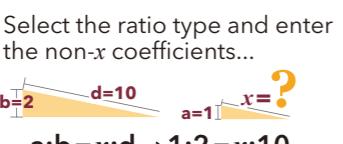
Specify the range of random integers you want to generate...



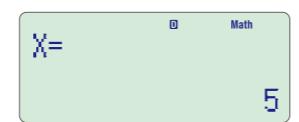
A random integer is displayed each time the equals (=) key is pressed.

**Ratio calculation**

95ES PLUS



Enter the non-x coefficients.



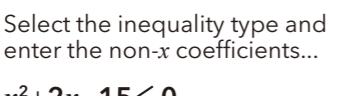
The calculator displays the value of x.

x=5

X-value appears on the display.

**Inequality**

95ES PLUS



Enter the non-x coefficients.



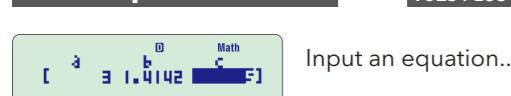
The calculator displays the solution of the inequality.

-5 < x < 3

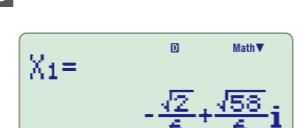
The inequality solution appears on the display.

**New equation mode**

95ES PLUS | 570ES PLUS | 991ES PLUS



Input an equation.



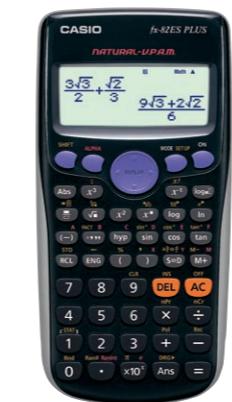
The calculator displays a solution using  $\sqrt{ }$  and fractions.

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

$\sqrt{ }$  and fraction display

**Natural textbook display models**

AAA-size (R03) battery



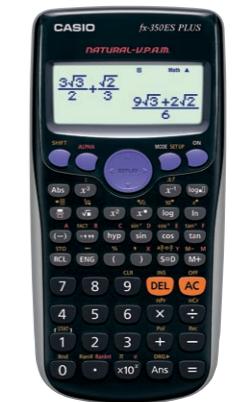
(Black) fx-82ES PLUS

Two-way power



(White) fx-85ES PLUS

AAA-size (LR03) battery



fx-350ES PLUS

**Natural-V.P.A.M. Models**

**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

**Trigonometry**

$\cos(30)$

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

**ES PLUS series standard functions**

• Coordinate transformation

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

$r=0.25, \theta=60$

Formula registration

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

Start value input

Start?

1

End value input

End?

5

Step value input

Step?

1

Table calculation

• Power calculation

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

287

Data registration

$\Sigma x^2$

z

1.376315789

Regression calculation

$\Sigma x^2$

7.13

$\Sigma x^2$  value calculation

Table

calculation

• Fraction calculations

• Combination and permutation

• 9 variables

• Statistics

STAT

z

1.376315789

STAT

Σx^2

7.13

Σx^2

Table

calculation

• Table function

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

Formula registration

Start?

1

End?

5

Step?

1

Table

calculation

• Fraction calculations

• Combination and permutation

• 9 variables

• Statistics

STAT

z

1.376315789

STAT

Σx^2

7.13

Σx^2

Table

calculation

• Table function

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

Formula registration

Start?

1

End?

5

Step?

1

Table

calculation

• Fraction calculations

• Combination and permutation

• 9 variables

• Statistics

STAT

z

1.376315789

STAT

Σx^2

7.13

Σx^2

Table

calculation

• Table function

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

Formula registration

Start?

1

End?

5

Step?

1

Table

calculation

• Fraction calculations

## STANDARD MODELS

## Standard models

AA-size battery



fx-82MS



fx-85MS



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

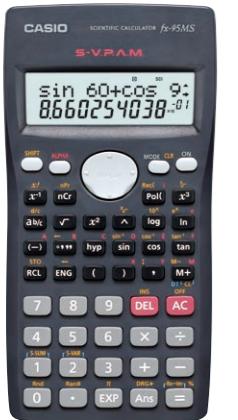
Two-way power

Button-type battery

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



AA-size battery



fx-95MS

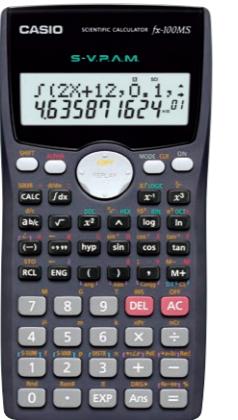
**244 FUNCTIONS**  
S-V.P.A.M.  
STAT-data  
Multi-replay  
2-LINE DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic Keys

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

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

- Equation calculations

AA-size battery



fx-100MS

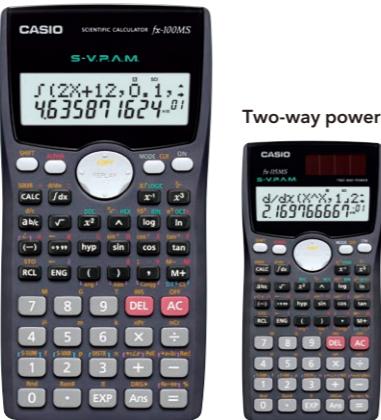
**300 FUNCTIONS**  
S-V.P.A.M.  
STAT-data  
Multi-replay  
2-LINE DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic Keys

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

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

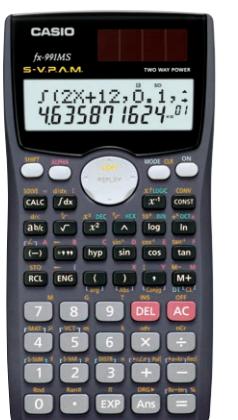
- Equation calculations
- Integration/differential calculations
- Base-n calculations/conversions
- Complex number calculations
- CALC function
- SOLVE function

Two-way power



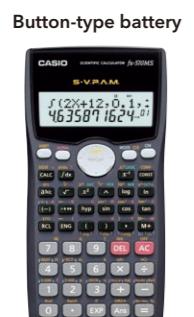
fx-115MS

Two-way power



fx-991MS

**401 FUNCTIONS**  
S-V.P.A.M.  
STAT-data  
Multi-replay  
2-LINE DISPLAY  
10+2 DIGITS  
DOT MATRIX  
Plastic Keys



fx-570MS

- 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?

## 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.

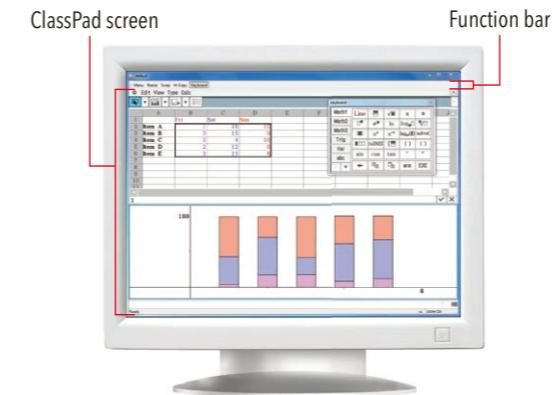
**Example**  
 $34^5 \div 61n 7 = 3891531.513$

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

**Example**  
 $34^5 \div 61n 7 = 3891531.513 \rightarrow 34^5 \div 6log7 = 8960582.451$

## SUPPORTING OPTIONS IN THE CLASSROOM

## Software



ClassPad screen

Function bar

## ClassPad Manager

for ClassPad II Series

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



## ClassPad Manager

for ClassPad Series

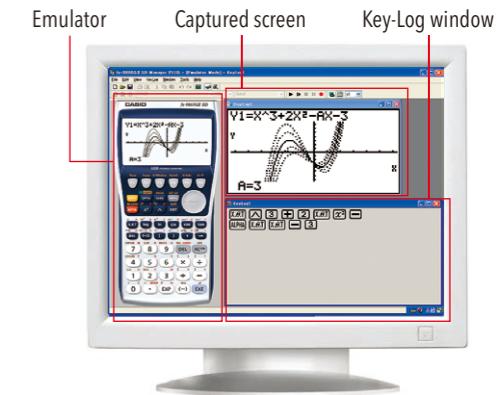
- FA-CP330A (Single License)
- FA-CP330B (School License)



- 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



Emulator

Captured screen

Key-Log window

## fx-Manager PLUS

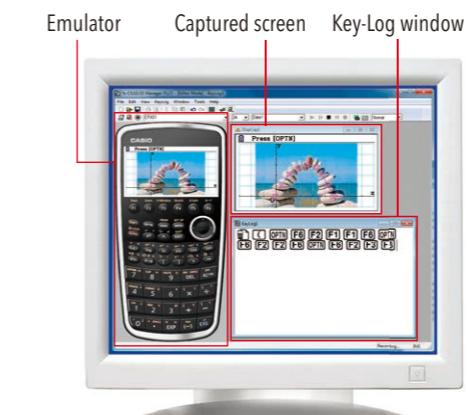
- FA-9860A (Single License)
- FA-9860B (School License)

- 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



Emulator

Captured screen

Key-Log window



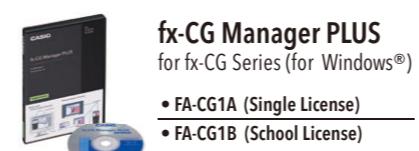
## FC EMULATOR

- 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-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



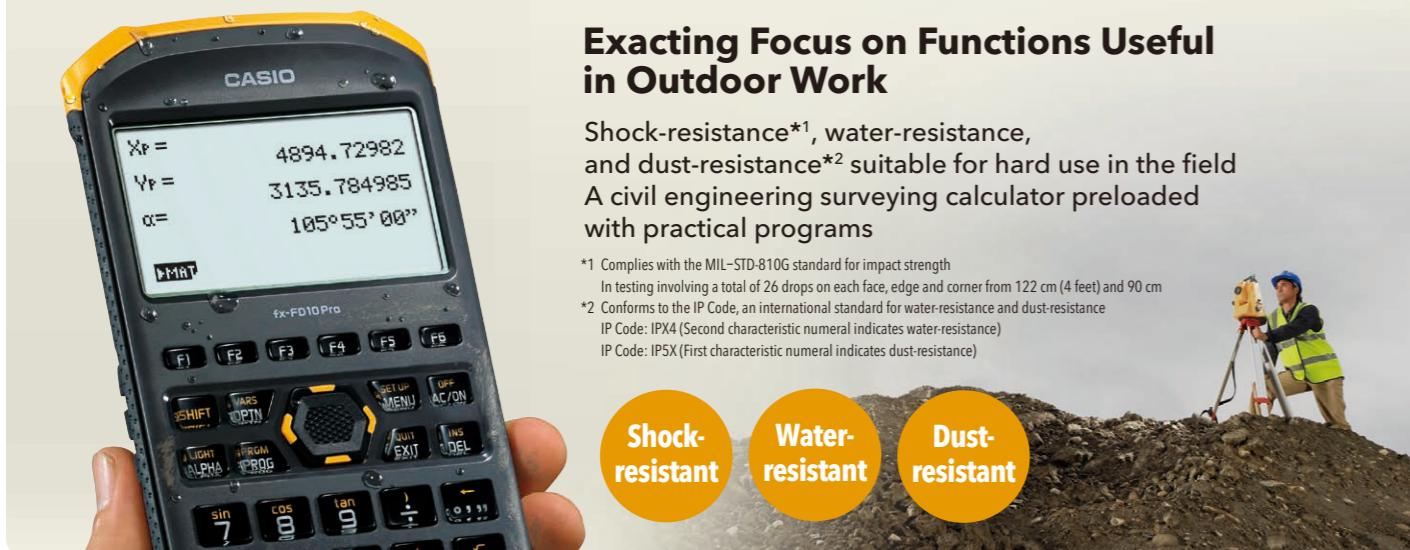
## fx-ES PLUS Emulator

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

<sup>\*1</sup> 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.  
<sup>\*2</sup> 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<sup>\*1</sup> (MIL-STD-810G Method 516.6-Shock equivalent<sup>\*2</sup>). High shock resistance ensures durability for outdoor use, and the smoothly rounded corner shape prevents damage due to dropping.

<sup>\*1</sup> 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.

<sup>\*2</sup> 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 (lauan) 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<sup>\*1</sup> and dust-resistance<sup>\*2</sup>. Rigorous specifications for water-resistance and dust-resistance ensure that the calculator can be safely used outdoors.

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

<sup>\*2</sup> 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



### 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.

**fx-FD10 Pro**

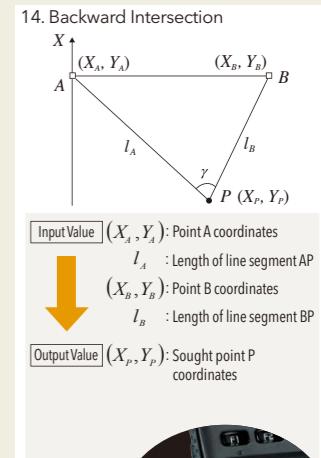
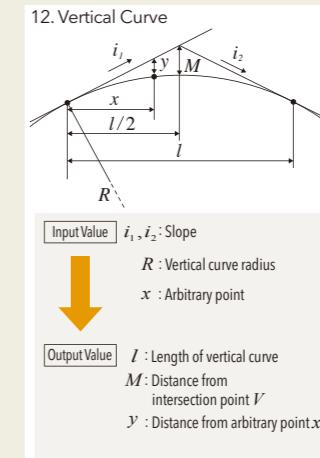
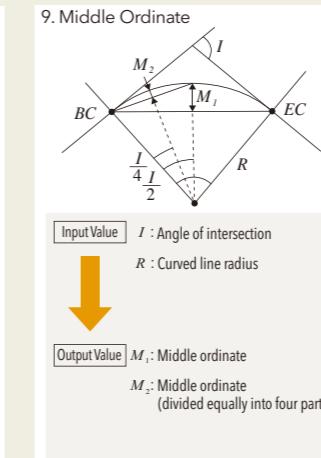
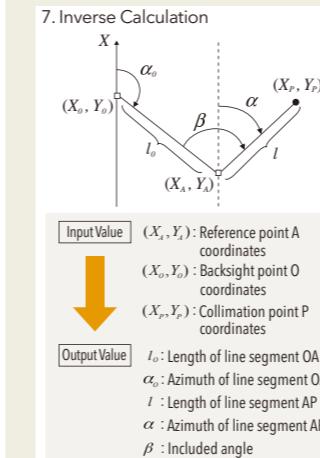
SD memory card not included

**NEW**

61 KB  
List-based STAT  
Multi-replay  
21 command by 8 lines  
10+2 DIGITS  
ICON MENU  
DOT MATRIX  
Plastic Keys  
SD CARD

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

- 1. AXISTRAN (Axis Transformation)
- 2. R-TRIG (Right Triangle Trigonometry)
- 3. PYTHAGOR (Pythagorean)
- 4. COORD (Coordinate Calculation)
- 5. ANGLE (Bearing Angle)
- 6. TRAVERSE (Traverse Calculation)
- 7. INVERSE (Inverse Calculation)
- 8. DECENTER (Decentering)
- 9. MID-ORD (Middle Ordinate)
- 10. S-CURVE (Single Curve)
- 11. CL-CURVE (Clothoid Curve)
- 12. V-CURVE (Vertical Curve)
- 13. FORWARD (Forward Intersection)
- 14. BACKWARD (Backward Intersection)
- 15. INTSEC1 (Coordinates of Intersection for 3 points & 1 angle)
- 16. INTSEC2 (Coordinates of Intersection for 4 points)
- 17. V-LINE (Calculation of Perpendicular Coordinate and Distance)
- 18. TRIANGLE (Area of Triangle)
- 19. QUADRANG (Area of Quadrangle)
- 20. HERON (Heron Formula)
- 21. STADIA (Stadia Calculation)



## 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)

	A	B	C	D
1				
2				
3				
4				
5				

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 file

```
Programmable ISRN
Traverse Calculation
Deg
"X",4074,"?>A"
"Y",4075,"?>B"
"Z",4076,"?>C"
"R",4077,"?>D"
"J",4078,"?>E"
"X",4079,"?>F"
"Y",4080,"?>G"
"Z",4081,"?>H"
"R",4082,"?>I"
"J",4083,"?>L"
"X",4084,"?>M"
"Y",4085,"?>N"
"Z",4086,"?>O"
"R",4087,"?>P"
"J",4088,"?>Q"
"X",4089,"?>R"
"Y",4090,"?>S"
"Z",4091,"?>T"
"R",4092,"?>U"
"J",4093,"?>V"
"X",4094,"?>W"
"Y",4095,"?>X"
"Z",4096,"?>Y"
"R",4097,"?>Z"
"J",4098,"?>L"
"X",4099,"?>M"
"Y",4100,"?>N"
"Z",4101,"?>O"
"R",4102,"?>P"
"J",4103,"?>Q"
"X",4104,"?>R"
"Y",4105,"?>S"
"Z",4106,"?>T"
"R",4107,"?>U"
"J",4108,"?>V"
"X",4109,"?>W"
"Y",4110,"?>X"
"Z",4111,"?>Y"
"R",4112,"?>Z"
"J",4113,"?>L"
"X",4114,"?>M"
"Y",4115,"?>N"
"Z",4116,"?>O"
"R",4117,"?>P"
"J",4118,"?>Q"
"X",4119,"?>R"
"Y",4120,"?>S"
"Z",4121,"?>T"
"R",4122,"?>U"
"J",4123,"?>V"
"X",4124,"?>W"
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"Y",4310,"?>N"
"Z",4311,"?>O"
"R",4312,"?>P"
"J",4313,"?>Q"
"X",4314,"?>R
```

## Scientific Calculators Specification Table

	Graphic Models						
	ClassPad II fx-CP400	ClassPad 330 PLUS	fx-CG20	fx-9860GII SD	fx-9860GII	fx-9750GII	fx-7400GII
Specifications	Number of functions	—	(Over 2,900)* <sup>6</sup>	(Over 2,900)* <sup>6</sup>	(Over 2,800)	(Over 2,100)	—
	Power supply (Main)	AAA × 4 (Rechargeable battery support)	AAA × 4 (Rechargeable battery support)	AAA × 4 (Rechargeable battery support)	AAA × 4	AAA × 4	AAA × 4
	Power supply (Backup)	—	—	—	—	—	—
	Approximate battery life Main (hours)	100 (LR03)* <sup>1</sup> 60 (Rechargeable battery)* <sup>1</sup>	140 (LR03)* <sup>1</sup> 100 (Rechargeable battery)* <sup>1</sup>	140 (LR03)* <sup>1</sup> 85 (Rechargeable battery)* <sup>1</sup>	200 (LR03)* <sup>1</sup>	230 (LR03)* <sup>1</sup>	230 (LR03)* <sup>1</sup>
	Approximate battery life Backup (years)	—	—	—	—	—	—
	Dimensions H×W×D (mm)	21.1 × 89 × 206	21 × 84 × 189.5	20.6 × 89.5 × 188.5	21.2 × 91.5 × 184	21.3 × 87.5 × 180.5	21.3 × 87.5 × 180.5
	Approximate weight (g)	315	260	230	225	205	205
	Case style	Snap-on hard	Snap-on hard	Snap-on hard	Slide-on hard	Slide-on hard	Slide-on hard
	Display	320 × 258 dots/ color	160 × 240 dots/ monochrome	384 × 216 dots/ color	64 × 128 dots/ monochrome	64 × 128 dots/ monochrome	64 × 128 dots/ monochrome
	Display capacity (characters)	25 × 15	20 × 17	21 × 8	21 × 8	21 × 8	21 × 8
Programming Functions	Mantissa + exponent digits	10 + 3	10 + 3	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus	●	●	●	●	●	●
	Internal operation digits	15	15	15	15	15	15
	Nested parentheses levels	Up to memory	Up to memory	26	26	26	26
	Program logic	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)
Utilities	Memory (bytes)	515,000	61,000	62,000	62,000	20,000	—
	Program areas	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory
	Storage memory area (Flash memory)	5.5MB Flash ROM for eActivity 24MB USB Flash Drive	5.5MB Flash ROM for eActivity 6MB USB Flash Drive	16MB	1.5MB	1.5MB	—
	Built-in formulas	—	—	—	—	—	—
Special Features	Natural textbook display / NATURAL-V.P.A.M.	●	●	●	●	●	—
	Key rollover function	●	●	●	●	●	●
	Replay function	(History)	(History)	●	●	●	●
	Multi-replay functions	(History)	(History)	●	●	●	●
	Replay copy	—	—	—	—	—	—
	Backspace	●	●	●	●	●	●
	CALC function	—	—	—	—	—	—
	SOLVE function	●	●	●	●	●	●
CAS	Answer function	●	●	●	●	●	●
	Variables	Up to memory	Up to memory	28	28	28	28
Basic Functions	Auto power off	●	●	●	●	●	●
	Base-n calculations (Binary/Octal/Hexadecimal)	●	●	●	●	●	●
	Logical operations	●	●	●	●	●	●
	Engineering symbol calculations	—	—	●	●	●	●
	Engineering notation (ENG/ENG)	—	—	●	●	●	●
	Scientific constants	—	—	—	—	—	—
	Metric conversions	—	—	●	●	●	●
	Computer Algebra System	●	●	—	—	—	—
	Trigonometric, inverse trigonometric ( $\sin/\cos/\tan/\sin^2/\cos^2/\tan^2$ )	●	●	●	●	●	●
	Hyperbolic, inverse hyperbolic ( $\sinh/\cosh/\tanh/\sinh^{-1}/\cosh^{-1}/\tanh^{-1}$ )	●	●	●	●	●	●
Calculus	Exponential, logarithmic ( $\log/\ln/10^x/e^x$ )	●	●	●	●	●	●
	Base specified logarithmic	●	●	●	●	●	●
	Power and radical root ( $x^{1/x}/\sqrt{x}$ )	●	●	●	●	●	●
	Fraction	●	●	●	●	●	●
	Percentage calculation (%)	●	●	—	—	—	—
	Rounding	●	●	●	●	●	●
	Simplification	—	—	●	●	●	●
	Integer division	—	—	●	●	●	●
	GCD/LCM	●	●	●	●	●	●
	Sexagesimal ↔ decimal	●	●	●	●	●	●
Algebra	Display format (FIX, SCI)	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●
	Angle unit conversion (Deg, Rad, Grad)	● / ● / —	● / ● / —	●	●	●	●
	Factorization into prime factors	●	●	—	—	—	—
Probability	Ratio calculation	—	—	—	—	—	—
	Differentiation calculation	●	●	●	●	●	●
Calculus	Integration calculation	●	●	●	●	●	●
	Simultaneous equation	●	●	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)	● (6 unknowns)
Geometry	Polynomial equation	●	●	● (Degree 2-6)	● (Degree 2-6)	● (Degree 2-6)	● (Degree 2-6)
	Inequality calculation	●	●	—	—	—	—
	Table function	●	●	●	●	●	●
	Matrix calculations	●	●	●	●	●	●
	Complex number calculation	●	●	●	●	●	●
Statistics	Geometry application	●	●	● (Preloaded)	● (Preloaded)	● (Preloaded)	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●
	Vector calculations	●	●	—	—	—	—
Others	Combination, permutation ( $nCr/nPr$ )	●	●	●	●	●	●
	Random numbers	●	●	●	●	●	●
	Random integers	●	●	●	●	●	●
	List-based STAT data editor	●	●	●	●	●	●
	Standard deviation	●	●	●	●	●	●
	Regression analysis	●	●	●	●	●	●
	Linear regression	●	●	●	●	●	●
	ab exponential regression	●	●	●	●	●	●
	Advanced statistics	●	●	●	●	●	●
	Other regressions	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst	Med, Quad, Cubic, Quart, Log, Exp, Pwr, Sin, Lgst
Finance	Financial functions	—	—	—	—	—	—
	Spreadsheet	●	●	●	●	—	—
Others	eActivity	●	●	●	●	—	—
	Data communication	Graph&Picture, Horizontal screen view, DiffEq Graph, 3D Graph, DPJ direct connection, Mass storage, Screen Receiver	Picture, Presentation, 3D Graph, DPJ direct connection, Mass storage, Screen Receiver	Recursions, Graphical color display, Color Link, Picture Plot	Recursions, Backlight display	Recursions, Backlight display	Recursions
	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

## Scientific Calculators Specification Table

	Programmable Models				Standard Models			
	fx-580P	fx-50F II fx-50FH II	fx-3650P II	fx-4500PA	fx-82ES PLUS	fx-85ES PLUS	fx-350ES PLUS	fx-95ES PLUS
Specifications	Number of functions	664	406	308	242	252	252	274
	Power supply (Main)	AAA × 1 (LR03)	Two-way power (Solar + LR44 × 1)	Two-way power (Solar + LR44 × 1)	AAA × 1 (R03)	Two-way power (Solar + LR44 × 1)	AAA × 1 (R03)	AAA × 1 (R03)
	Power supply (Backup)	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	1 year* <sup>3</sup>	3 years (LR44)* <sup>3</sup>	3 years (LR44)* <sup>3</sup>	5,000* <sup>4</sup>	17,000* <sup>4</sup>	3 years (LR44)* <sup>3</sup>	8,700* <sup>1</sup>
	Approximate battery life Backup (years)	—	—	—	2	—	—	—
	Dimensions H×W×D (mm)	15.1 × 81.5 × 163	11.1 × 80 × 162	11.1 × 80 × 162	9.9 × 73 × 141.5	13.8 × 80 × 162	11.1 × 80 × 162	13.8 × 80 × 162
	Approximate weight (g)	150	95	95	85	100	95	100
	Case style	Integrated hard	Slide-on hard	Slide-on hard	Wallet	Slide-on hard	Slide-on hard	Slide-on hard
	Display	31 × 96 dots	5 × 7 dots × 16 digits	5 × 7 dots × 16 digits	31 × 96 dots	31 × 96 dots	31 × 96 dots	31 × 96 dots
	Display capacity (characters)	16	16	16	12	15	15	15
Programming Functions</								

## 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
Specifications	Number of functions	417	417	240	240	240	244	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)	LR44 × 1
	Power supply (Backup)	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	17,000* <sup>4</sup>	3 years (LR44) <sup>*3</sup>	17,000* <sup>4</sup> / <sup>5</sup>	3 years (LR44) <sup>*3</sup>	9,000* <sup>4</sup> /3 years <sup>*5</sup>	17,000* <sup>4</sup> /2 years <sup>*5</sup>	17,000* <sup>4</sup> /2 years <sup>*5</sup>	3 years (LR44) <sup>*3</sup>	9,000* <sup>4</sup> /3 years <sup>*5</sup>
	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	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	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
	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
	Display capacity (characters)	15	15	12	12	12	12	12	12	12
Programming Functions	Mantissa + exponent digits	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	12	15	15
	Nested parentheses levels	24	24	24	24	24	24	24	24	24
	Program logic	—	—	—	—	—	—	—	—	—
Utilities	Memory (bytes)	—	—	—	—	—	—	—	—	—
	Program areas	—	—	—	—	—	—	—	—	—
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	—	—
Special Features	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
CAS	Auto power off	•	•	•	•	•	•	•	•	•
	Base-n calculations (Binary/Octal/Hexadecimal)	•	•	—	—	—	—	•	•	•
	Logical operations	•	•	—	—	—	—	•	•	•
	Engineering symbol calculations	—	—	—	—	—	—	•	•	•
	Engineering notation (ENG/ENG)	•	•	•	•	•	•	•	•	•
Basic Functions	Scientific constants	40	40	—	—	—	—	—	40	40
	Metric conversions	40	40	—	—	—	—	—	40	40
	Computer Algebra System	—	—	—	—	—	—	—	—	—
	Trigonometric, inverse trigonometric ( $\sin/\cos/\tan/\sin^{-1}/\cos^{-1}/\tan^{-1}$ )	•	•	•	•	•	•	•	•	•
Algebra	Hyperbolic, inverse hyperbolic ( $\sinh/\cosh/\tanh/\sinh^{-1}/\cosh^{-1}/\tanh^{-1}$ )	•	•	•	•	•	•	•	•	•
	Exponential, logarithmic ( $\log, \ln, 10^x, e^x$ )	•	•	•	•	•	•	•	•	•
	Base specified logarithmic	•	•	—	—	—	—	—	—	—
	Power and radical root ( $x^y/x\sqrt{x}$ )	•	•	•	•	•	•	•	•	•
	Fraction	•	•	•	•	•	•	•	•	•
	Percentage calculation (%)	•	•	•	•	•	•	•	•	•
	Rounding	•	•	•	•	•	•	•	•	•
	Simplification	—	—	—	—	—	—	—	—	—
	Integer division	—	—	—	—	—	—	—	—	—
	GCD/LCM	—	—	—	—	—	—	—	—	—
Calculus	Sexagesimal ↔ decimal	•	•	•	•	•	•	•	•	•
	Display format (FIX, SCI)	•	•	•	•	•	•	•	•	•
	Angle unit (Deg, Rad, Grad)	•	•	•	•	•	•	•	•	•
	Angle unit conversion (Deg, Rad, Grad)	•	•	•	•	•	•	•	•	•
Geometry	Factorization into prime factors	—	—	—	—	—	—	—	—	—
	Ratio calculation	—	—	—	—	—	—	—	—	—
	Differentiation calculation	•	•	—	—	—	—	—	•	•
Probability	Integration calculation	•	•	—	—	—	—	•	•	•
	Simultaneous equation	(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)
	Inequality calculation	—	—	—	—	—	—	—	—	—
	Table function	•	•	—	—	—	—	—	•	•
Statistics	Matrix calculations	•	•	—	—	—	—	•	•	•
	Complex number calculation	•	•	—	—	—	—	•	•	•
	Geometry application	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	•	•	•	•	•	•	•	•	•
Probability	Vector calculations	•	•	—	—	—	—	•	•	•
	Combination, permutation ( $nCr, nPr$ )	•	•	•	•	•	•	•	•	•
Statistics	Random numbers	•	•	•	•	•	•	•	•	•
	Random integers	•	•	—	—	—	—	—	—	—
	List-based STAT data editor	•	•	•	•	•	•	•	•	•
	Standard deviation	•	•	•	•	•	•	•	•	•
	Regression analysis	•	•	•	•	•	•	•	•	•
	Linear regression	•	•	•	•	•	•	•	•	•
	ab exponential regression	•	•	—	—	—	—	—	—	—
	Advanced statistics	—	—	—	—	—	—	—	—	—
Finance	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
	Financial functions	—	—	—	—	—	—	—	—	—
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—
	eActivity	—	—	—	—	—	—	—	—	—
Others	Data communication	—	—	—	—	—	—	—	—	—
	Others	—	—	—	—	—	—	—	—	—

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

## HEAVY DUTY CALCULATORS

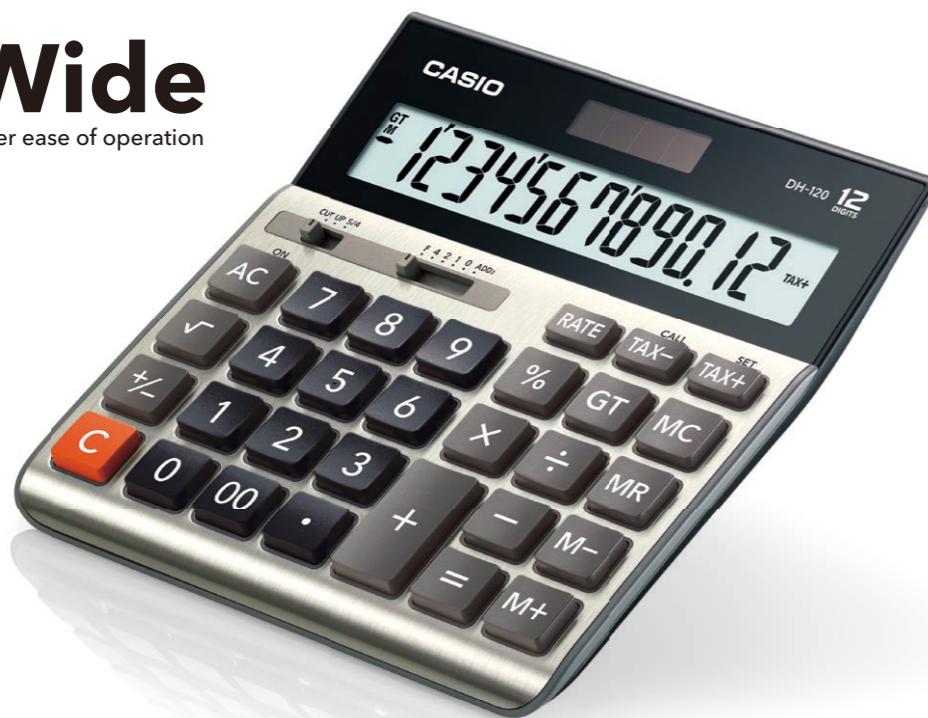
## What makes a CASIO "HEAVY DUTY Calculator"?

## TWP (Two-Way Power)

## WIDE H SERIES

**The Wide**

Wider for greater ease of operation



## Calculators designed for ease of use

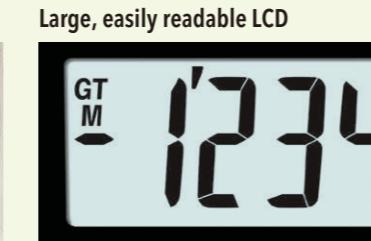


## Golden ratio 1 to 1.618

Use of the golden ratio for the length and width of the key area in consideration of the user's viewing angle

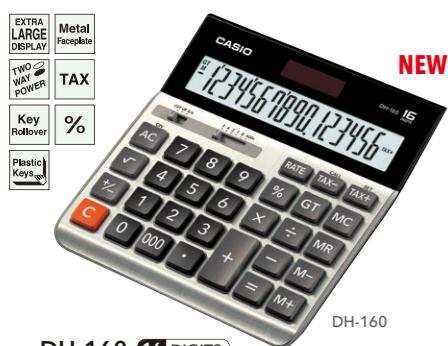


## Large, easy-to-use keys



## Large, easily readable LCD

## Desk-Top Type



DH-160 16 DIGITS

DH-140 14 DIGITS

DH-120 12 DIGITS

NEW



DH-16 16 DIGITS

DH-14 14 DIGITS

DH-12 12 DIGITS

NEW

## Mini Desk Type



MH-16 16 DIGITS

MH-14 14 DIGITS

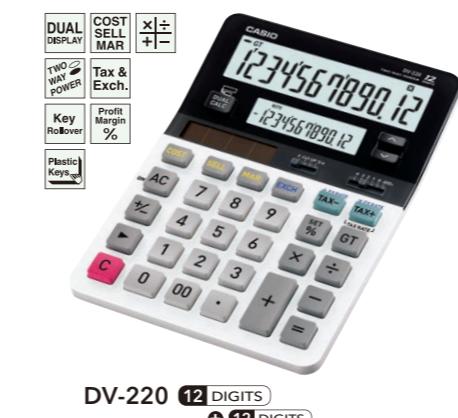
MH-12 12 DIGITS

NEW

DH-12-WE  
NEWMH-12-WE  
NEW

## DUAL DISPLAY CALCULATORS

## Desk-Top Type

DV-220 12 DIGITS  
+ 12 DIGITS

## Compact Desk Type

JV-220 12 DIGITS  
+ 12 DIGITS

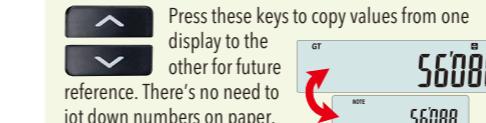
## Mini Desk Type

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.

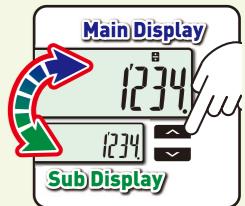


## Dual Calculation

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 calculation results.



## What You Can Do with a Dual Display

## NOTE

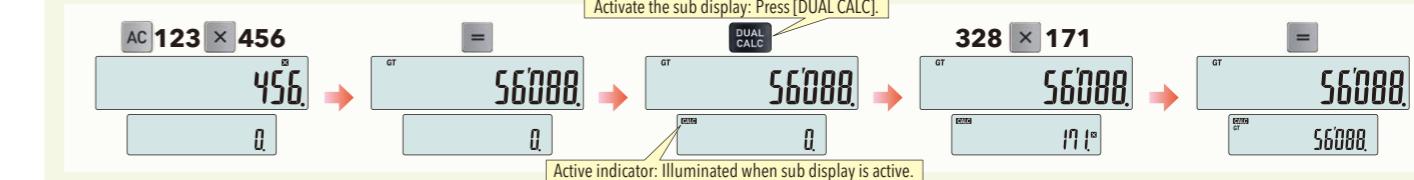
Copy a value from the main display to the sub display for later reference. A copied value can be moved between the two displays.



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.

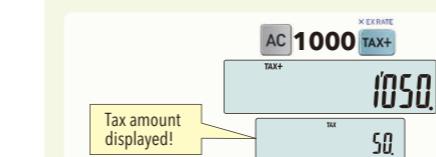


On the main display: **123×456**      On the sub display: **328×171**

## Assistant Display Function

## Tax Calculations

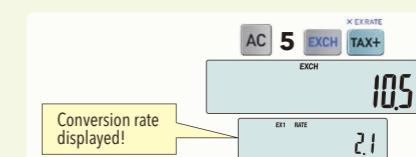
During tax calculations, the sub display shows the tax amount. (Example below shows calculation with a tax rate of 5%.)



Tax amount displayed!

## 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.



Conversion rate displayed!

## 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.

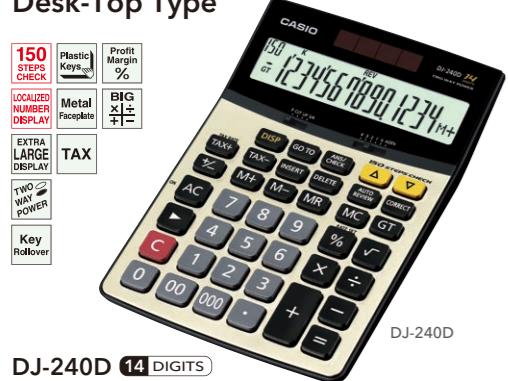


Model	Digits	Independent memory	GT	%	MU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3-digit comma markers	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DH-160/140/120	16/14/12	●	●	●	—	●	●	—	●	●	●	●	●	●	Two-way power (Solar+Battery)	28.5×151×159	185
DH-16/14/12	16/14/12	●	●	●	●	●	●	●	—	●	●	●	●	●	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

Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Two-way power	35.4×135.5×187	255
JV-220	12	● NOTE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Two-way power	26.5×107×180.5	195
MV-210	10	● NOTE	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Two-way power	31.5×111×146	160

## CHECK CALCULATORS

## Desk-Top Type



## Compact Desk Type



## Mini Desk Type MJ-12VC 12 DIGITS



## Mini Desk Type



MJ-120D 12 DIGITS



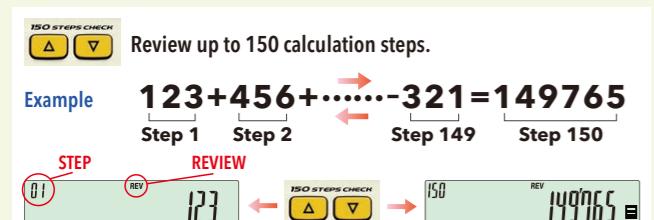
## Portable Type NJ-120D 12 DIGITS



## 150 Steps Check

## Review and Auto Review

The calculator stores up to 150 steps in memory, which you can scroll through using the **△** and **▼** keys.

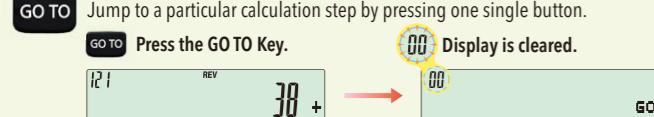


## Answer Memory (DJ-240D / DJ-220D only)

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

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

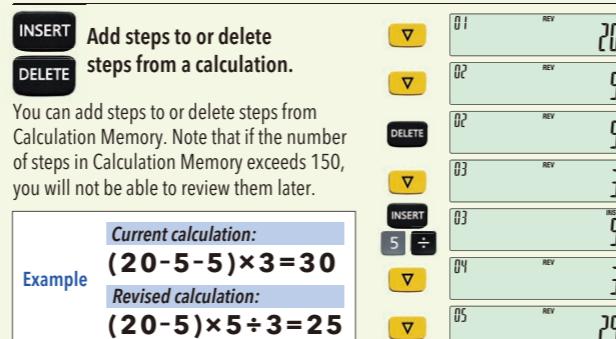
**GO TO** Jump to a particular calculation step by pressing one single button.



## Correct

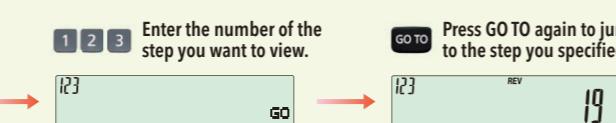
**CORRECT** While reviewing a calculation, you can make changes in values and operators and re-execute to obtain a new result.

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



## 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

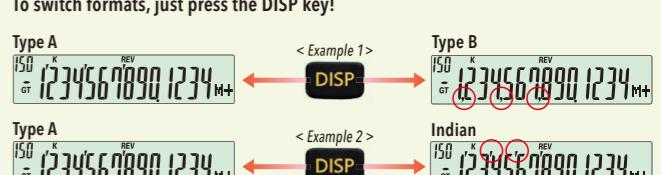
Choose from four digit separator formats (Type A, Type B, Type C, and Indian) and choose a comma or period as the decimal point. Configure your preferred display format to prevent calculation errors and increase convenience.



## 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!



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

## Check Calculator

Model	Digits	Independent memory	GT	%	Profit margin %	MU	+/-	[ ]	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	
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	
150 STEPS CHECK & Localized Number Display																			

## MY COLOUR SELECTION



Mini Desk Type MS-20NC 12 DIGITS



Mini Desk Type MS-6NC 8 DIGITS



Portable Type SL-300NC 8 DIGITS



Portable Type SL-100NC 8 DIGITS



Model	Digits	Independent memory	%	Profit margin %	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	Power supply	Dimensions HxWxD (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 (5.5×91×55) (9.4×91×10.5)	50	Wallet
SL-100NC	8	●	●	●	—	●	●	●	—	●	—	Two-way power	55	—	—

(F) Folded (U) 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 %	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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)	Others
DW-200TW	12	●	●	●	●	—	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	32.7×122.5×177.5	195	—		
JW-200TW	12	●	●	●	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	26.1×107×178.5	170	—		
SL-1000TW	10	●	—	●	●	●	●	●	●	—	—	—	—	—	Two-way power	8.5×70×118.5	60	Wallet		

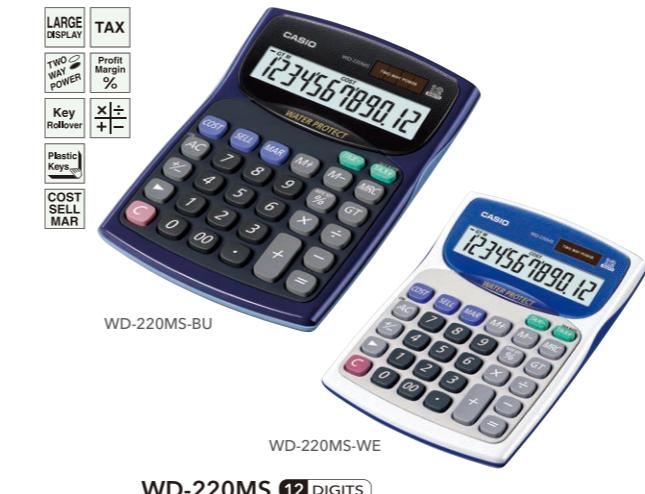
## THE DESIGNER CALCULATORS

Compact Desk Type



## WATER-PROTECTED AND DUST-PROOF CALCULATORS

Desk-Top Type



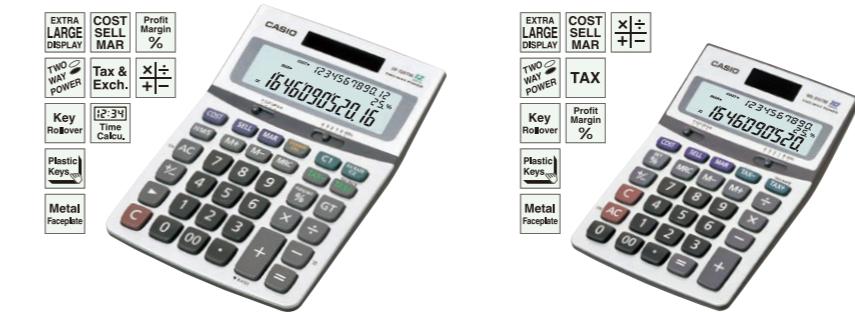
Mini Desk Type



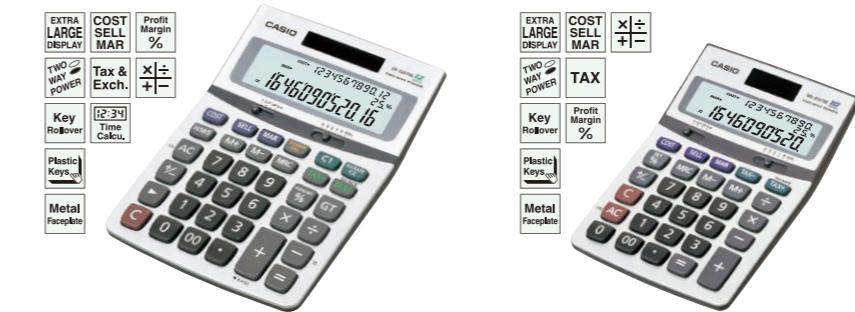
\* Complies with IEC 60529 IP54 (water protect and dust proof)

## 3-LINE DISPLAY CALCULATORS

Desk-Top Type



Mini Desk Type



## Cost, Selling Price, and Margin Calculations

For Shopkeepers &amp; Traders

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

cost 1234567890.12 ... cost  
25% ... margin  
= 1646090520.16 ... selling price

DF-320TM

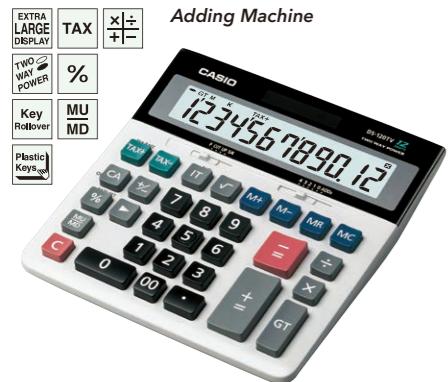
The Designer Calculators

Model	Digits	Independent memory	GT	%	Profit margin %	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0,1,2,3,4	●	Two-way power	19.7×108.5×180	250

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

Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3-digit comma markers	Time	Tax	Exchange	5/4	Cut	Up	Decimal	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



DS-120TV 12 DIGITS



DM-1200S 12 DIGITS



DM-1600B 16 DIGITS



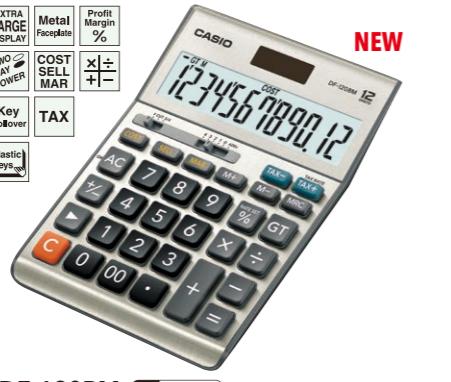
DM-1400B 14 DIGITS



DM-1200BM 12 DIGITS



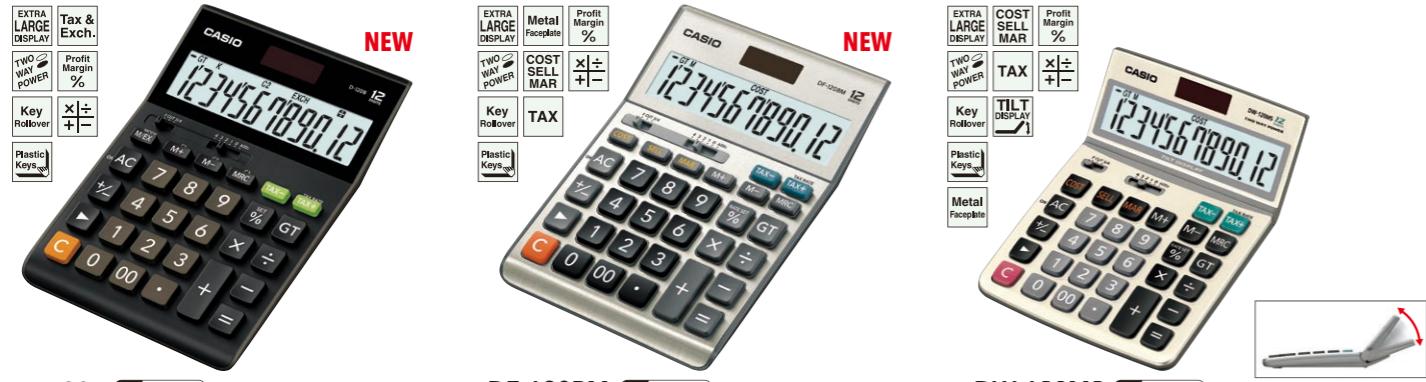
D-120B 12 DIGITS



DF-120BM 12 DIGITS



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



DW-120MS 12 DIGITS

Adjustable Tilt Display

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

**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	✓	+/-	►	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-120TV	12	●	●	—	●	●	—	●	●	●	●	●	●	●	●	●	●	●	●,1,2,3,4	●	Two-way power	40.9×184×186	300
DM-1200S	12	—	2	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,4	●	Two-way power	34.5×155×210	230
DM-1600B	16	—	2	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,4	●	Two-way power	36.3×155×209	265
DM-1400B	14	—	2	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,4	●	Two-way power	36.3×155×209	265
DM-1200BM	12	—	●	●	●	●	●	—	—	—	—	—	—	—	—	●	●	●	●,1,2,3,4	●	Two-way power	36.3×155×209	265
D-60L	16	—	●	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,4	●	Two-way power	32×151×158	195
D-40L	14	—	●	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,4	●	Two-way power	32×151×158	195
D-20L	12	—	●	—	—	—	—	—	—	—	—	—	—	—	—	●	●	●	●,1,2,3,4	●	Two-way power	32.6×126.5×179.5	165
D-120B	12	—	●	●	●	●	●	—	—	—	—	—	—	—	—	●	●	●	●,1,2,3,4	●	Two-way power	32.6×126.5×179.5	180
DF-120BM	12	—	●	●	●	●	●	—	—	—	—	—	—	—	—	●	●	●	●,1,2,3,4	●	Two-way power	32.6×126.5×179.5	180
DW-120MS	12	—	●	●	●	●	●	—	—	—	—	—	—	—	—	●	●	●	●,1,2,3,4	●	Two-way power	32.7×122.5×177.5	195

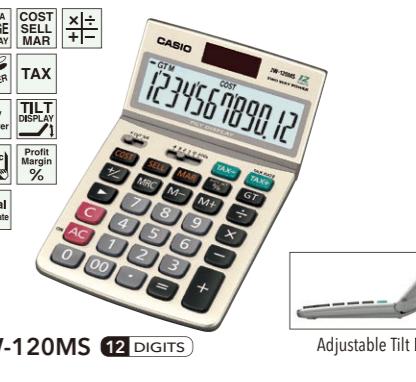
### Compact Desk Type



J-120B 12 DIGITS



JF-120BM 12 DIGITS



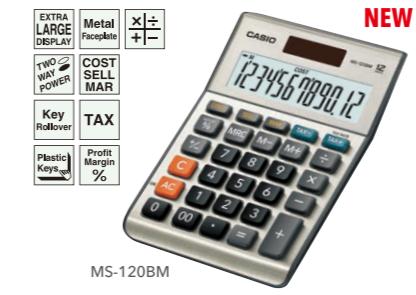
JW-120MS 12 DIGITS



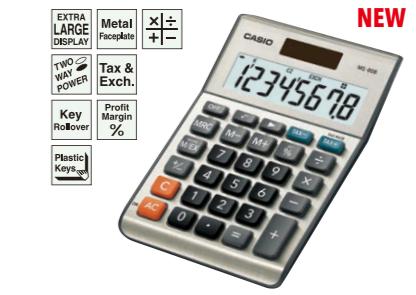
### Mini Desk Type



MS-470V 14 DIGITS



MS-120BM 12 DIGITS



MS-80B 8 DIGITS



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



MS-8B 8 DIGITS



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



MS-7TV 8 DIGITS



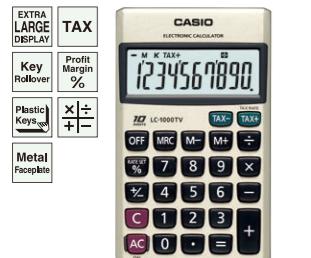
MW-8V 8 DIGITS



MW-5V 8 DIGITS

Model	Digits	Independent memory	Cost Sell Margin	GT	%	Profit margin %	✓	+/-	►	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	ADD mode	Power supply	Approximate battery life (years)	Dimensions H×W×D (mm)	Approximate weight(g)
J-120B	12	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	25.4×107×177.5	140
JF-120BM	12	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	25.4×107×177.5	150
JW-120MS	12	●	●	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	26.1×107×178.5	170
MS-470V	14	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	30.4×111×142.5	125
MS-120BM/100BM	12/10	●	●	—	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	28.8×103×147	115
MS-80B	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	28.8×103×147	115
MS-20B/10B	12/10	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	28.8×103×147	110
MS-8B	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	28.8×103×147	110
MS-270TV/170TV	12/10	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	30.4×111×142.5	125
MS-7TV	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	30.4×111×142.5	120
MW-8V	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	30.4×111×142.5	120
MW-8-WE	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way power	—	30.4×111×142.5	125
MW-5V	8	●	—	●	●	●	—	●	●	●	—	—	●	●	●	●,1,2,3,4	●	Two-way			

**Portable Type**



LC-1000TV 10 DIGITS



LC-401LV 8 DIGITS



LC-401LV-WE

**Portable Type**



SL-797TV-GD SL-797TV-BK



SL-787TV-BK



SL-760LC-GD



SL-760LC



SL-760LC-BK



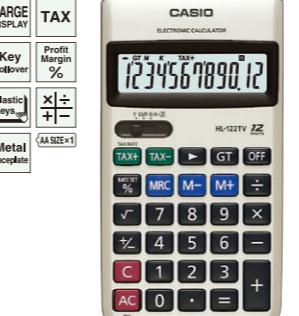
LC-403TV 8 DIGITS



LC-160LV 8 DIGITS



LC-160LV-WE



HL-122TV 12 DIGITS



HL-100LB 10 DIGITS



HL-820VA 8 DIGITS



HL-820VA



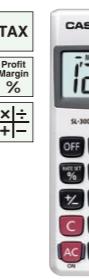
SL-340VA 14 DIGITS



SL-320TV 12 DIGITS



SL-315TV 10 DIGITS



SL-300TV 8 DIGITS



SL-300LV 8 DIGITS



HL-820LV 8 DIGITS



HL-820LV



HL-815L-BK



HL-815L



SL-240LB 14 DIGITS

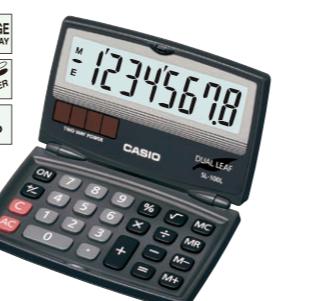


SL-220TE 12 DIGITS



SL-210TE 10 DIGITS

SL-200TE 8 DIGITS



SL-100L 8 DIGITS



HL-4A 8 DIGITS



HS-8VA 8 DIGITS



HS-BLV-BK



HS-BLV

Model	Digits	Independent memory	GT	%	Profit margin %	<input checked="" type="checkbox"/>	+/-	<input type="checkbox"/>	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	•	—	•	•	—	•	—	•	—	—	—	—	—	LR54x1	3 yrs.	7.5×70×118.5	50	Wallet	
LC-401LV	8	•	—	•	—	•	•	—	•	—	—	—	—	—	LR54x1	4,500	(F) 10.7×75×120 (U) 7.3×151.5×120	70	Hard	
LC-403TV	8	•	—	•	•	—	•	—	•	—	—	—	—	—	LR54x1	3 yrs.	7.5×70×118.5	50	Wallet	
LC-160LV	8	•	—	•	—	•	—	—	•	—	—	—	—	—	LR54x1	6,500	(F) 10.7×75×120 (U) 8.8×77×17.5	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	—	7.5×70×118.5	50	Wallet	
SL-220TE	12	•	—	•	•	•	—	•	•	•	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet	
SL-210TE	10	•	—	•	•	—	•	—	•	•	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet	
SL-200TE	8	•	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	—	7.5×70×118.5	50	Wallet	
SL-100L	8	•	—	•	•	—	•	—	•	—	—	—	—	—	Two-way power	—	7.5×91×110.5	55	—	

Model	Digits	Independent memory	GT	%	Profit margin %	MU	<input checked="" type="checkbox"/>	+/-	<input type="checkbox"/>	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 (R6 or R6P)×1	17,500	19.5×77×141	115	Soft	
HL-100LB	10	•	—	•	•	—	—	—	—	•	—	—	—	—	AA (R6 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	(F) 10.6×2.5×104 (U) 7.5×127×104	45	Hard	
HL-815L	8	•	—	•	•	—	—	—	—	•	—	—	—	—	AA (R6 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

## VALUE SERIES

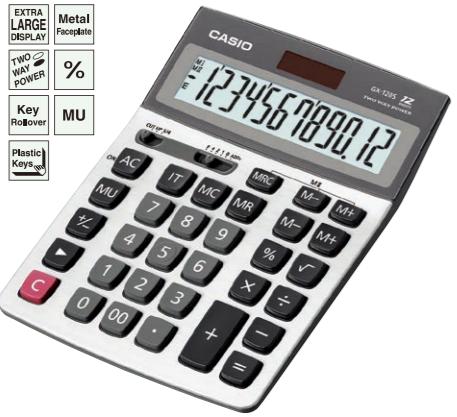
## Desk-Top Type



GX-16S 16 DIGITS



GX-14S 14 DIGITS



GX-120S 12 DIGITS



GZ-12S 12 DIGITS



DX-120ST 12 DIGITS



DX-120S 12 DIGITS



DZ-12S 12 DIGITS

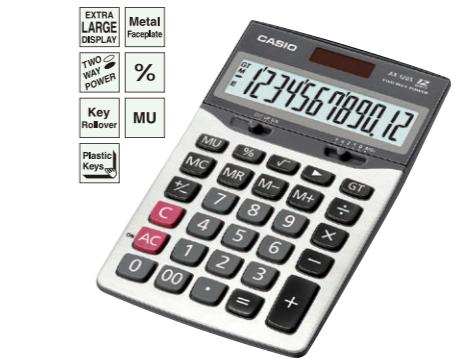


DZ-12S-WE

## Compact Desk Type



AX-120ST 12 DIGITS



AX-120S 12 DIGITS



AX-12S 12 DIGITS

## Mini Desk Type



MX-120S 12 DIGITS



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	<input checked="" type="checkbox"/>	+/-	<input type="checkbox"/>	3-digit comma markers	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight(g)	Case
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	<input checked="" type="checkbox"/>	+/-	<input type="checkbox"/>	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

(Folded)

(Unfolded)



# LABEL PRINTERS

## LABEL IT!

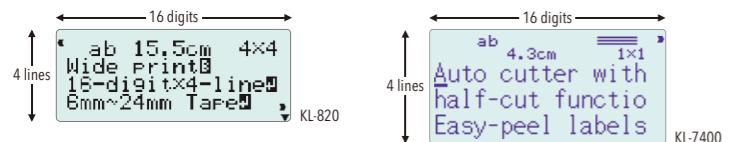
For labels you want to stay securely in place!

### 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)



### Makes attractive labels



### Prints up to 6 lines (KL-7400 only)



Accepts  
24mm  
tape



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

Accepts  
24mm  
tape



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
- Auto cutter with half-cut function
- Designed logo printing
- Barcode printing
- 87 special characters and symbols
- Numbering

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

# E Z - L A B E L P R I N T E R **LABEL IT!**

### 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

\* Continuous printing of up to 100 labels is possible.



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

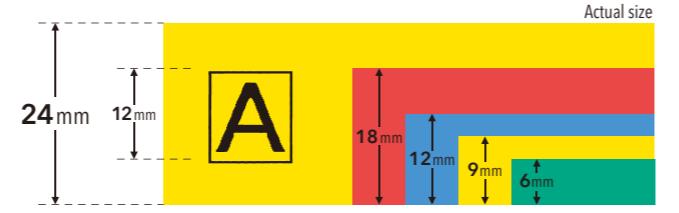
The consecutive number printing function comes in handy when you're producing large numbers of labels.



\* 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.)



### 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
- 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

美 美 美

白 砂 糖

# LABEMO

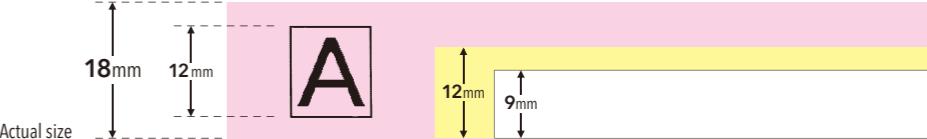
For labels you want to replace from time to time!

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

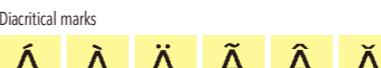
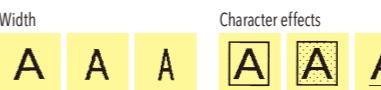
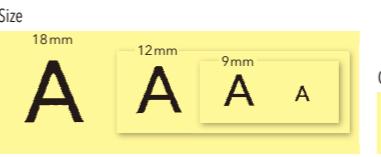
### No adhesive residue! Easy to reattach!



Freely attachable and affordable tape



### Simple function keys for effortless operation!



Languages supported: English / Spanish / French / Portuguese / Czech / Polish / Hungarian / German / Italian / Dutch / Finnish / Swedish / Danish / Norwegian / Indonesian / Estonian / Slovene

### 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)



### PC-Connectable Model

#### MEP-U10

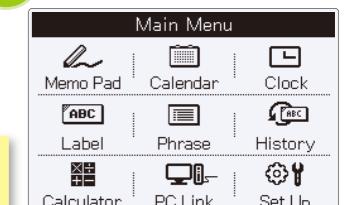
- PC-Connectable [USB Connection]
- Handles 18, 12 and 9mm tape widths
- Prints up to 3 lines (18mm tape)



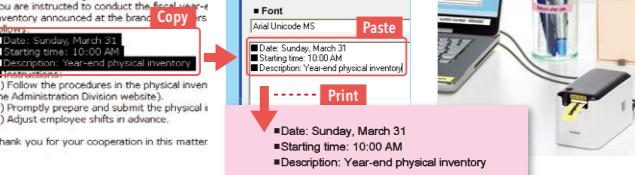
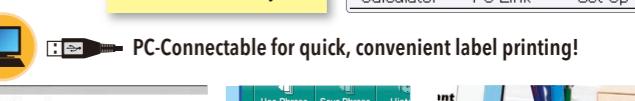
### Printing of Handwritten Text or Illustrations (MEP-T10 only)



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



Contact Mr. Johnson today!



To all branch managers:  
You are instructed to conduct the year-end physical inventory as follows:

1) Follow the procedures in the physical inventory announcement at the branch.

2) Promptly prepare and submit the physical inventory.

3) Adjust employee shifts as advance.

Thank you for your cooperation in this matter.

Date: Sunday, March 31

Starting time: 10:00 AM

Description: Year-end physical inventory

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Description: Year-end physical inventory

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1) Follow the procedures in the physical inventory announcement at the branch.

2) Promptly prepare and submit the physical inventory.

3) Adjust employee shifts as advance.

Thank you for your cooperation in this matter.

Date: Sunday, March 31

Starting time: 10:00 AM

Description: Year-end physical inventory

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## LABEL PRINTERS

E Z - L A B E L P R I N T E R  
**LABEL IT!**

### Specifications

Model	KL-7400	KL-820	KL-120	KL-60	KL-170 PLUS
Keyboard layout	QWERTY	QWERTY	QWERTY	QWERTY	QWERTY
Display	LCD Display (input data)	128 x 64 dots 16 digits x 3 lines	95 x 32 dots 16 digits x 3 lines	96 x 16 dots 16 digits x 2 lines	5 x 7 dots + cursor 4 digits x 1 line
Usable tape widths (mm)	24 / 18 / 12 / 9 / 6	24 / 18 / 12 / 9 / 6	16 digits x 3 lines	16 digits x 2 lines	4 digits x 1 line
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	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
Printing	Backlight	—	●
Maximum printing height (mm)*2	200	200	200
Maximum lines*2	3	3	3
Built-in Data	Fonts	Sans-serif	Sans-serif, Simsun (Chinese)*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	—	●	●
Functions	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: WxDxH*(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	18mm	12mm	9mm
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.

## FUNCTION SYMBOLS

### Scientific Calculator/Financial Consultant

763 over 1,500 FUNCTIONS

Number of functions

NATURAL V.P.A.M. 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 editor

Back-step viewing and editing of input data.

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

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

10 + 2 digits

10-digit mantissa + 2-digit exponential display.

ICON menu

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

Dot matrix display

High-resolution screen provides beautiful looking graphs every time.

Two-way power (Solar + Battery)

Solar powered in sunlight, battery powered when lighting is low.

Data communication with a personal computer

Allows data communication with a personal computer.

Plastic keys

Designed and engineered for easy operation.

### 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-18WER1	XR-12WER1	XR-9WER1
BLUE on WHITE	XR-18WEB1	XR-12WEB1	XR-9WEB1



Chocolates

Football highlights '15 England vs. Brazil

Andy

Household accounts

### Practical Calculator/Printing Calculator

DUAL DISPLAY

Equipped with two LCD displays to allow performance of different calculations or viewing of two values.

EXTRA LARGE DISPLAY

Larger display makes more data easier to read.

LARGE DISPLAY

Large, easy-to-read display.

TIFF DISPLAY

The degree of display can be adjusted freely.

Two-way power (Solar + Battery)

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

SUPER SOLAR POWER

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