

CASIO®

Your Best
Answer Reliable & Durable

OFFICE & SCHOOL

ELECTRONIC CALCULATORS

GENERAL CATALOGUE 2009-2010



SCIENTIFIC
CALCULATORS



PRACTICAL
CALCULATORS



PRINTING
CALCULATORS



LABEL
PRINTERS

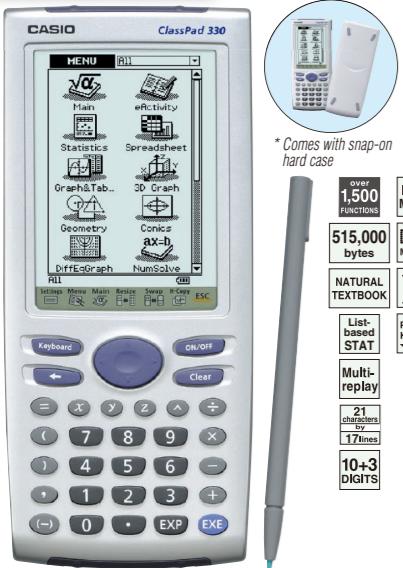


SCIENTIFIC CALCULATORS

GRAPHIC MODELS WITH CAS CAPABILITY

Support your classroom with technology

SCIENTIFIC CALCULATORS

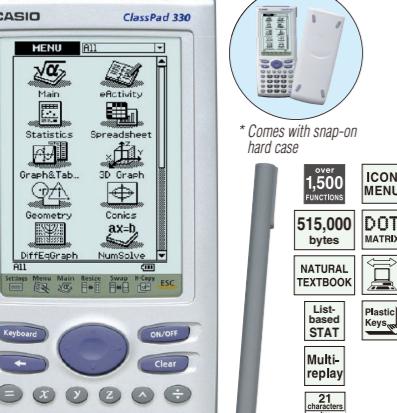
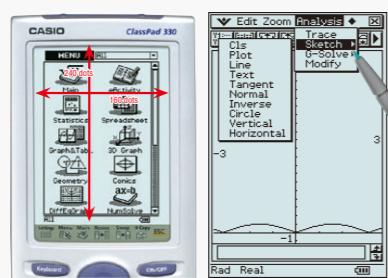


ClassPad 330

User-friendly Interface

Pen Touch Operation

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



ClassPad 330 Built-in Applications

Advanced CAS (Computer Algebra System)

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

Differential Equation Application

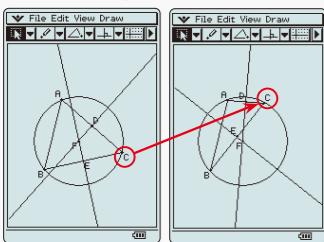
The solution set of a differential equation can be represented graphically as a vector field, and solution curves can be drawn by providing initial conditions for the equation. First, second, and n -th order differential equations are supported.

Financial Application

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

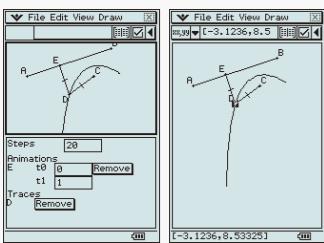
Geometry Application

Geometric Graphing



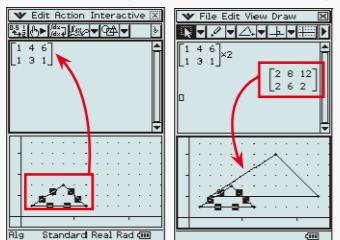
Students can learn the general theorems by drawing figures, and can confirm that a theorem still holds true even when the form of the triangle is altered.

Animation



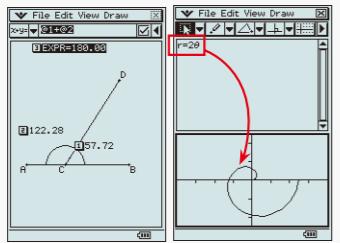
An Animation function provides the means to move geometric figures drawn on the screen. You can even plot the locus for a particular point of the animation. The screenshot shows an example where Point D is plotted as the locus for Point E moving on Line AB.

Geometric Graphing Using Drag & Drop



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

Enhanced Geometric Functions

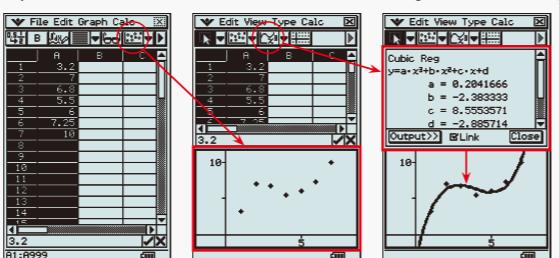


ClassPad 330 supports drawing of conics using a focus, as well as graphing of polar equations and parametric equations. Enhanced labeling capabilities let you display attached angles, measurement-based calculation results, and more.

Spreadsheet Application

Improved Spreadsheet Application

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



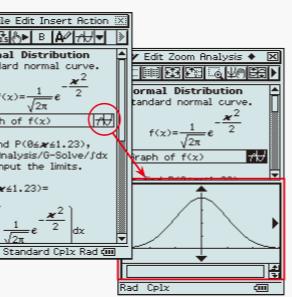
eActivity Application

An eActivity is like a digital worksheet

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

Geometry and Spreadsheet data also

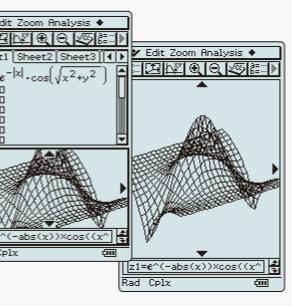
can be stored in an eActivity file.



3D Graph Application

The 3D Graph Application lets you

draw rectangular coordinate graphs ($z = f(x, y)$) and parametric function graphs ($x_{st} = f(s, t)$, $y_{st} = g(s, t)$, $z_{st} = h(s, t)$). You can split the display screen between a 3D Graph Editor window and 3D Graph window, or enlarge the 3D Graph window to view a larger graph.



ClassPad 330 Specifications

ALGEBRA

- CAS (Computer Algebra System)
- Algebra Assistant
- Fractions • Transformation (simplify, expand, factor)
- Algebraic (\sqrt{x} , x^2 , x^3 , $x!$, $\sqrt[n]{x}$, x^n)
- Simultaneous equations
- Real and Complex results • List • Matrix
- Combination nCr , Permutation nPr
- Exponents (log, In, 10^x , e^x)
- Trigonometrics (sin, cos, tan, \sin^{-1} , \cos^{-1} , \tan^{-1})
- Angle unit (Degree, Radian, Grad)
- Function graphing, polar, parametric and $x = f(y)$ equations
- Numeric evaluation of functions in tables
- Graph solve (root, max, intersection, inflection, distance)
- Conics graphs (Parabola, Circle, Ellipse, Hyperbola, General figure)
- Conics graph solve (Focus, Vertex, Directrix, Symmetry, Center, Radius)
- Recursive and explicit sequence numerical tables and plots
- Number Base (base 2 (Bin), 8 (Oct), 10 (Dec) and 16 (Hex))
- Laplace transform, Fourier transform, Fast Fourier transform (FFT)

CALCULUS

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

STATISTICS

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

GEOMETRY

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

eACTIVITY APPLICATION

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

OTHER USEFUL FEATURES

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

HARDWARE

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

OPTIONS

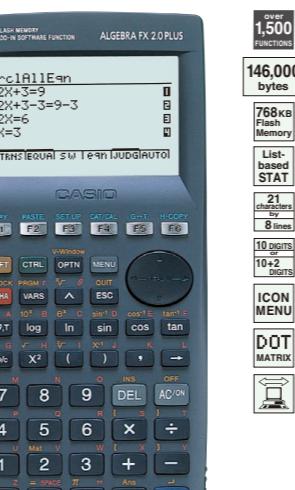
- ClassPad Manager Version 3.0 FA-CP330A/B • EA-200 Data Analyzer
- OH-ClassPad 330 SET (Overhead projection model)

Latest OS update for ClassPad 300 series:

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



ALGEBRA FX 2.0 PLUS



*Comes with slide-on hard case

Main Functions

Algebra Applications

Computer Algebra System (CAS)

Using the Computer Algebra System (CAS), students can factor expressions, find limits of functions and calculate derivatives, integration and Taylor series expressions. The CAS is a CASIO original algebra system that was devised through the cooperation of CASIO engineers, Professor John Kenelly, and other math instructors. It directly incorporates advice and suggestions from math teachers. Factorization: $f(x) = (x+2)(x-1)$. Taylor expansion: $\sin(x) \approx x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \dots$

Differential

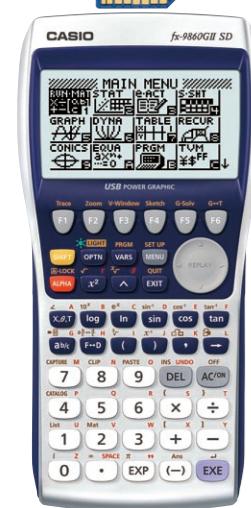
Integral

Taylor expansion

Graphic Models

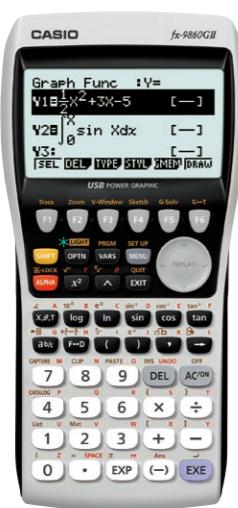


With Natural-V.P.A.M. and backlit display.
The next-generation graphic scientific calculator.



fx-9860GII SD

• SD memory card not included



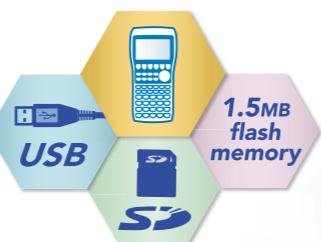
fx-9860GII

* Comes with slide-on hard case.



User-friendly Interface

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

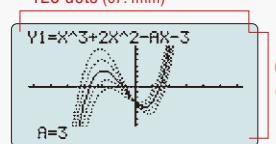


Hardware Features

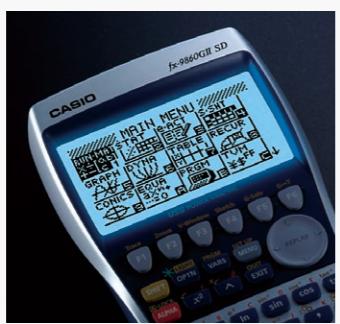
High-resolution LCD

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

128 dots (67.4mm)



fx-9860GII series
Large 64×128 dot display.



Backlight on

High-speed CPU

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

Large-capacity 1.5MB Flash Memory

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

Out-of-the-box USB Operations

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



SD Memory Card Slot (SD model only)

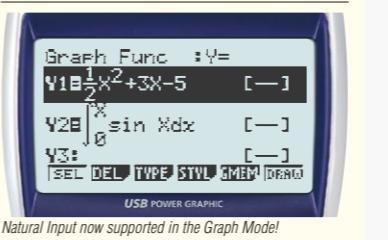
The fx-9860GII SD is equipped with an SD memory card slot for easy data transfers.



Natural textbook display!

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

Natural Input

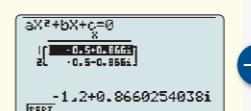


Natural Input now supported in the Graph Mode!

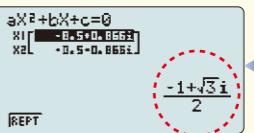
Natural Output

■ Polynomial equation result

Previous Models



Natural Output Model



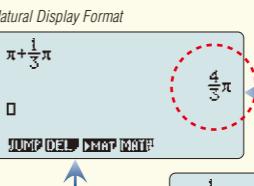
Press to switch.
Also supports display of decimal values.

■ Result of expression with Pi symbol

Previous Models



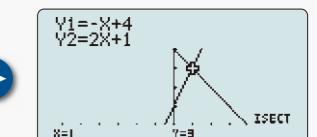
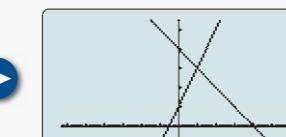
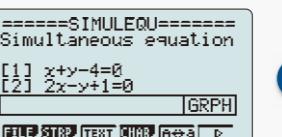
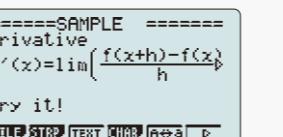
Natural Output Model



Also supports display of decimal values.
Press to switch.

eActivity

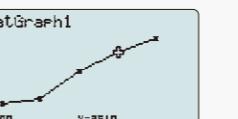
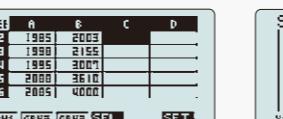
fx-9860GII Series calculators come with the same eActivity capabilities that originally appeared on the ClassPad 330. Now teachers as well as students can create their own problems and study materials. Students get the opportunity to learn at their own pace for more efficient study both at school and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



Built-in Software

■ Spreadsheet

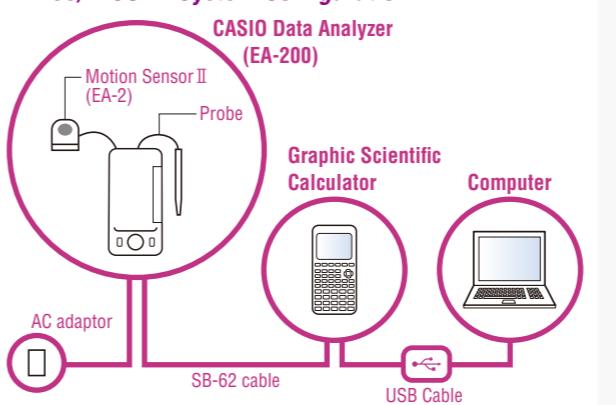
A multi-function spreadsheet with built-in graphing capabilities is a valuable tool for table calculation lesson exercises.



■ E-CON2

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

EA-200/E-CON2 System Configuration



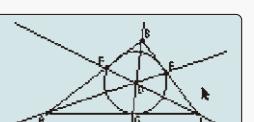
Add-in Software

Pre-installed Software

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

■ Geometry

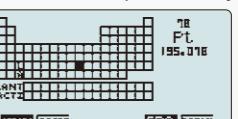
Geometry add-in software is designed to make learning geometry fun.



Downloadable Software

■ Physics

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



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

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

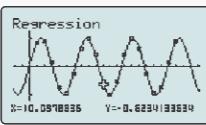
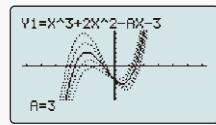
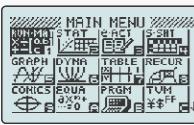


Other Features

Probability



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

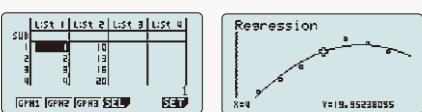


Icon menu

Dynamic graph

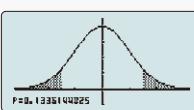
Regression graph

List-based Statistics



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

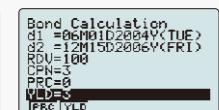
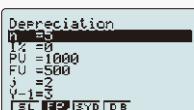
Advanced Statistics



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

1-sample t-test graph

Financial Calculations



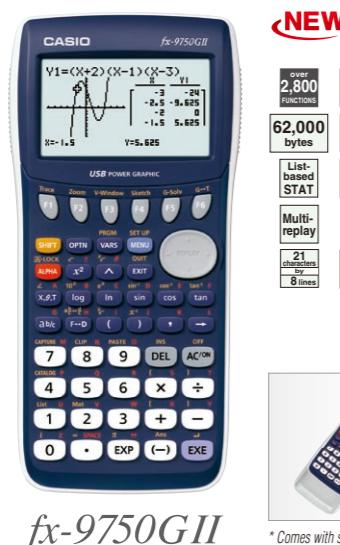
Depreciation

Bond calculation

Compound interest

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

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



NEW

USB POWER GRAPHIC

fx-9750G II

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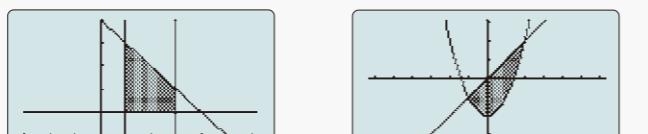
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fx-9750G II



Inequality Graphing



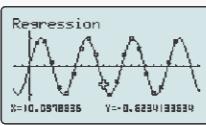
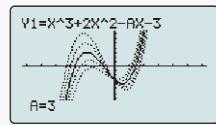
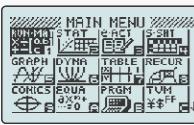
New support for graphing the inequality of an $x=\text{Constant}$ graph and $x=f(y)$ graph allows study of the area for which the x -range is defined.

Other Features

Probability



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

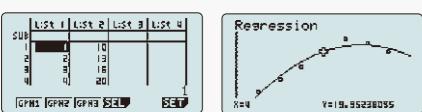


Icon menu

Dynamic graph

Regression graph

List-based Statistics



STANDARD MODELS



Natural textbook display! NATURAL-V.P.A.M.

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

■ Natural input

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

$$\sqrt{\frac{1}{2}} \times \sqrt{\frac{1}{3}} = 0.4082482905$$

■ Natural output

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

$$\frac{\sqrt{18} + \sqrt{6}}{3} - \sqrt{32} = -2\sqrt{2}$$

■ Full dot display

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

$$\begin{array}{c} \text{STAT} \\ \text{Y} \\ \text{1} \end{array}$$

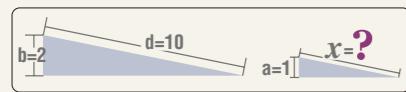
*Conventional input method can also be used.

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

Ratio calculation 95ES PLUS

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

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



The calculator displays the value of x.

$$x=5$$

$$\begin{array}{l} 1: a:b=x:d \\ 2: a:b=c:x \end{array}$$

$$\begin{array}{l} \text{① Select the ratio type.} \\ \text{② Enter the non-x coefficients.} \end{array}$$

$$\begin{array}{l} x \\ \text{③ Enter the non-x coefficients.} \\ \text{④ X-value appears on the display.} \end{array}$$

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

Input an equation...

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

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

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

$$\begin{array}{l} \text{Previous} \\ \text{① Input an equation.} \\ \text{NEW} \\ \text{② Decimal value display} \\ \text{③ and fraction display} \end{array}$$

Inequality 95ES PLUS

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

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

The calculator displays the solution of the inequality

$$-5 < x < 3$$

$$\begin{array}{l} 1: ax^2+bx+c \\ 2: ax^2+bx+c > 0 \\ 3: ax^2+bx+c < 0 \\ 4: ax^2+bx+c \geq 0 \\ 5: ax^2+bx+c \leq 0 \end{array}$$

① Select the inequality expression type.

$$\begin{array}{l} \text{② Enter the non-x coefficients.} \\ \text{③ The inequality solution appears on the display.} \end{array}$$

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

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

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

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

Input 56.

The calculator displays the factors.

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

$$\begin{array}{l} 56 \\ \text{Factor display} \end{array}$$



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

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

The calculator displays a random integer.

$$\text{RanInt}\#(1,6)$$

$$\text{RanInt}\#(1,6)$$

$$\text{RanInt}\#(1,6)$$

$$\text{RanInt}\#(1,6)$$

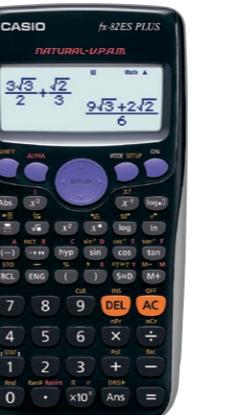
$$\text{RanInt}\#(1,6)$$



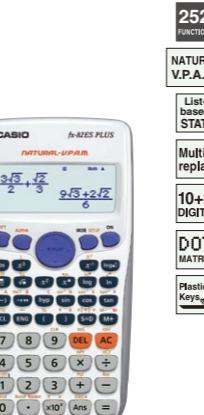
A random integer is displayed each time the equals (=) key is pressed.

Natural-V.P.A.M. Models

AAA-size (R03) battery



(Black)



(White)

Two-way power



fx-85ES PLUS

AAA-size (LR03) battery



fx-350ES PLUS

New functions: • Prime factorization • Random integers

Standard functions:

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

Coordinate transformation

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

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

Power calculation

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

$$287$$

Statistics

$$\begin{array}{l} \text{S1} \\ \text{S2} \end{array}$$

$$2$$

$$1.376315789$$

$$\begin{array}{l} \text{S1} \\ \text{S2} \end{array}$$

$$7.13$$

$$\begin{array}{l} \text{S1} \\ \text{S2} \end{array}$$

$$\Sigma x^2$$

$$\begin{array}{l} \text{S1} \\ \text{S2} \end{array}$$

$$\cos(30)$$

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

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

Table function

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

Formula registration

$$\text{Start?}$$

$$1$$

Data registration

$$\text{End?}$$

$$5$$

Regression calculation

$$\text{Step?}$$

$$1$$

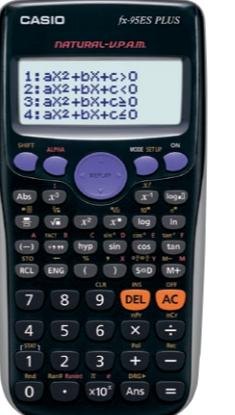
Set up step value

$$1$$

Table calculation

$$1$$

AAA-size (R03) battery



fx-95ES PLUS

Simultaneous linear equations

$$X_1 = -\frac{1}{13}$$

Quadratic equation

$$Y_1 = \frac{18}{13}$$

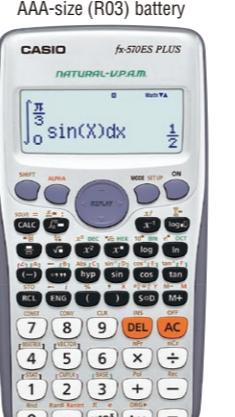
X1 =

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

X2 =

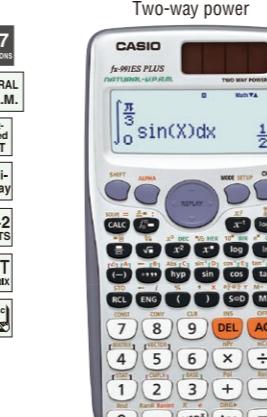
$$-\frac{\sqrt{2} - \sqrt{6}}{2}i$$

AAA-size (R03) battery



fx-570ES PLUS

Two-way power

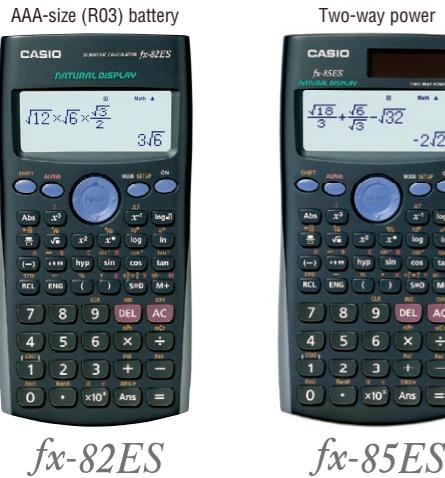


fx-991ES PLUS

New functions: • New equation mode • Random integers

Standard functions:

- Fraction calculations
 - Combination and permutation
 - Statistics (List-based STAT data editor, standard deviation, regression analysis)
 - 9 variables
 - Table function
 - Comes with new slide-on hard case
- fx-82ES PLUS/85ES PLUS/350ES PLUS functions, in addition to:
- Equation calculations
- Equation menu
- $$\begin{array}{l} 1: ax^2+bx+c=0 \\ 2: ax^2+bx+c < 0 \\ 3: ax^2+bx+c > 0 \\ 4: ax^2+bx+c \geq 0 \\ 5: ax^2+bx+c \leq 0 \end{array}$$
- Simultaneous linear equations
- $$X_1 =$$
- $$-\frac{1}{13}$$
- $$Y_1 =$$
- $$\frac{18}{13}$$
- Cubic equation
- $$X_1 =$$
- $$-5$$
- $$X_2 =$$
- $$2$$
- $$X_3 =$$
- $$1$$
- Integration
-
- Matrix operations
- $$\begin{array}{l} \text{Mat} \\ \text{A} \end{array}$$
- $$\begin{array}{l} \text{Mat} \\ \text{B} \end{array}$$
- Differential
-
- Vector
- $$\begin{array}{l} \text{Vec} \\ \text{V1} \end{array}$$
- $$\begin{array}{l} \text{Vec} \\ \text{V2} \end{array}$$
- 7
- 8

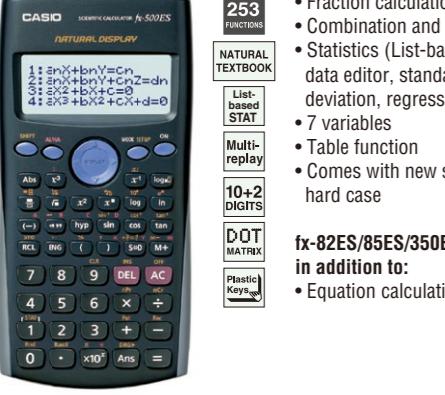
Natural Display Models

249 FUNCTIONS
NATURAL TEXTBOOK
List-based STAT
Multi-replay
10+2 DIGITS
DOT MATRIX
Plastic Keys

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

fx-82ES**fx-85ES****fx-350ES**

AAA-size (R03) battery

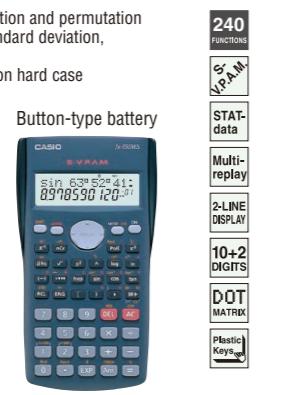
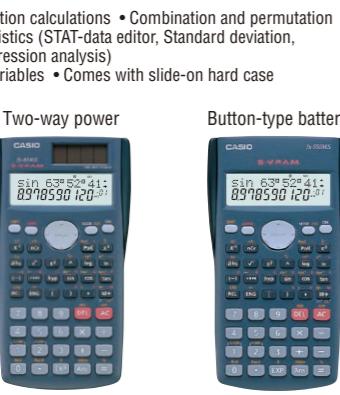
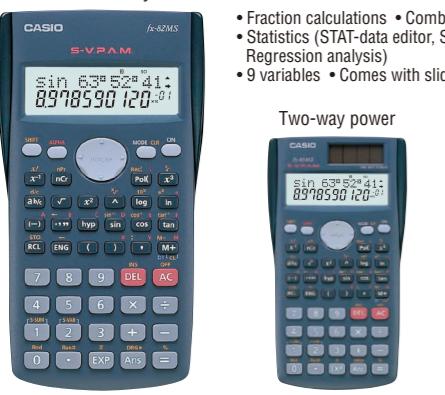


- Fraction calculations
- Combination and permutation
- Statistics (List-based STAT data editor, standard deviation, regression analysis)
- 7 variables
- Table function
- Comes with new slide-on hard case

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

- Equation calculations

S-V.P.A.M. Models
AA-size battery

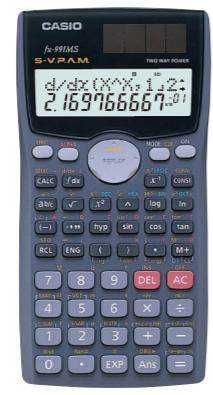


240 FUNCTIONS
S-V.P.A.M.
STAT-data
Multi-replay
2-LINE DISPLAY
10+2 DIGITS
DOT MATRIX
Plastic Keys

AA-size battery
fx-95MS

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

Two-way power



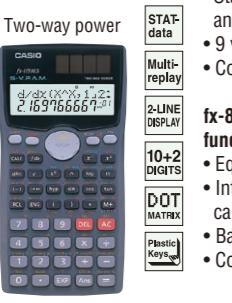
Button-type battery
fx-570MS

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

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

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

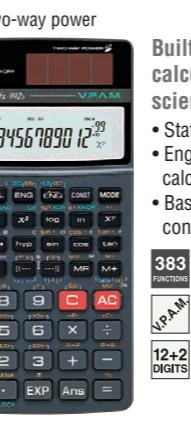
- Equation calculations
- Integration/differential calculations
- Base-n calculations/conversions
- Complex number calculations

fx-100MS

- 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:

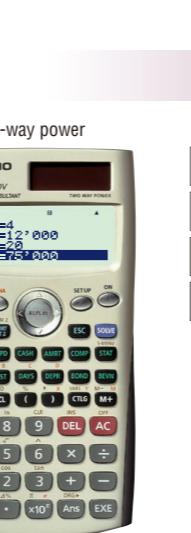
- Equation calculations
- Integration/differential calculations
- Base-n calculations/conversions
- Complex number calculations

V.P.A.M. Model

- Built-in complex number calculations plus 128 scientific constants
- Statistical calculations
- Engineering symbol calculations
- Base-n calculations/conversions

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

* Comes with slide-on hard case

fx-992S**FINANCIAL CONSULTANT**
FC-200V**FINANCIAL CONSULTANT**
FC-100V

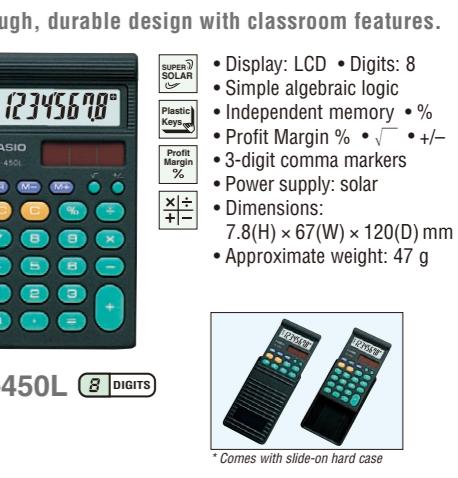
- Plastic keys
- Comes with new slide-on hard case
- Power supply: Solar cell and a single G13 type button battery (LR44) (FC-200V)/ One AAA-size battery (FC-100V)
- Approximate battery life: 3 years (1hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)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

Entry Model

- Includes cube calculations and angle unit conversions
- Fraction functions
- Combination and Permutation

150 FUNCTIONS
10+2 DIGITS

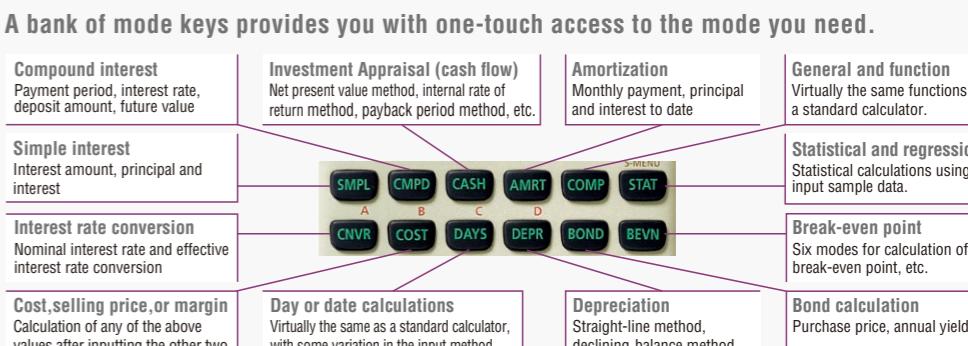
* Comes with slide-on hard case

fx-901**School Cal**

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

**Financial Consultant**

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

Direct mode key

	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	●	—
Interest rate conversion	●	—
General and Function	●	●
Statistical and regression	●	●

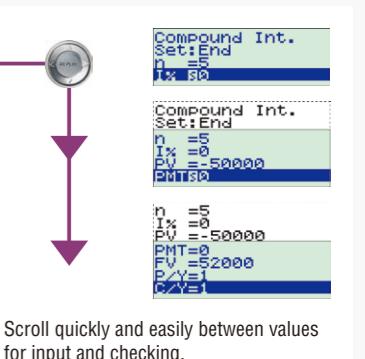
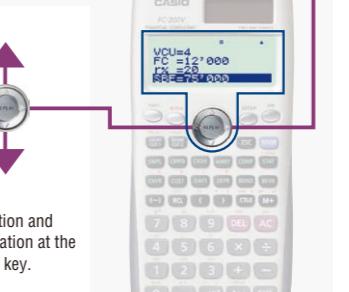
Easy operation with parameters

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

Compound Int.
Set:End
n=5
I% =5
PV= -50000
FV= 52000
PMT=0

Compound Int.
Set:End
n=5
I% =5
PV= -50000
FV= 52000
PMT=0

Compound Int.
Set:End
n=5
I% =5
PV= -50000
FV= 52000
PMT=0

**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.



Supporting options in the Classroom

SUPPORT CLASSROOM TECHNOLOGY

Data Analysis System

Quick and accurate collection supports data analysis.



EA-200

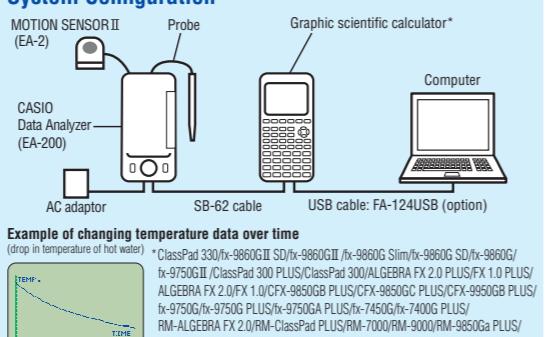
- Collect data at rates of up to 50,000 points per second for up to 120,000 points.
- Compatible with the CASIO fx-7400 series, CFX-9850 series, ALGEBRA FX 2.0 series, fx-9860G series, fx-9750 series and ClassPad series.

Includes:

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

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

System Configuration



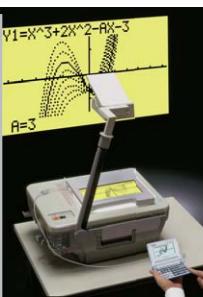
MOTION SENSOR II EA-2



*Supplies extremely limited

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

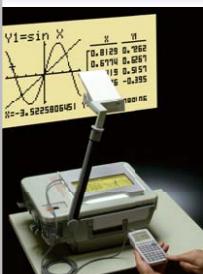
OHP Projection Unit



OH-9860
Makes lessons more interesting

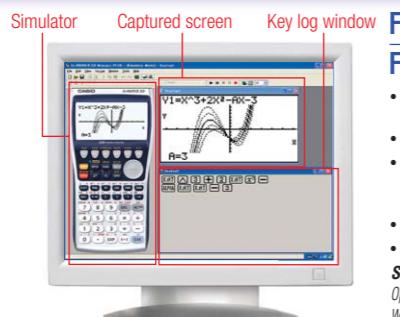
Simply use a USB cable to connect an fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim calculator to the OH-9860 to project the contents of the calculator display. This option lets students or teachers connect and project for classroom presentations. All of this makes class activities more interesting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

Graphic Scientific Calculator Projection Set



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

Software



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

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

• fx-9860GII SD, fx-9860GII, fx-9750GII or fx-9860G Slim Calculator Emulation Mimics calculator operation using a computer mouse and keyboard.

- Copy and paste between the Spreadsheet application and Excel®
- Key-Log Editor
- Key-Log auto play of recorded key operations
- Step playback
- Emulator LCD screen capture
- Screen Receiver

System Requirements

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

All the functions of the ClassPad 330



OH-ClassPad 330 SET

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

All the functions of the ALGEBRA FX 2.0 PLUS

OH-ALGEBRA FX 2.0 SET

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

ClassPad Manager for ClassPad 330 Ver. 3.0

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

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

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

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

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

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

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

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

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

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

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

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

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



Scientific Calculators Specification Table

	ClassPad 330	ALGEBRA FX 2.0 PLUS	fx-9860GII SD	fx-9860GII	fx-9860G Slim	fx-9750GII	fx-7400G PLUS	fx-580P	fx-50F PLUS fx-50FH	fx-3650P
Specifications	Number of functions (Over 1,500)* ⁶	Over 1,500	(Over 2,900)* ⁶	(Over 2,900)* ⁶	(Over 1,000)* ⁶	(Over 2,800)* ⁶	406	664	406	279
	Power supply (Main) AAA x 4	AAA x 4	AAA x 4	AAA x 4	AAA x 2	AAA x 4	AAA x 2	AAA x 1 (LR03)	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + LR44 x 1)
	Power supply (Backup) —	CR2032 x 1	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours) 140 (LR03)* ² /230 (LR03)* ²	140 (LR03)* ² /230 (LR03)* ²	200 (LR03)* ¹	200 (LR03)* ¹	140 (LR03)* ¹	230 (LR03)* ¹	900 (LR03)* ² /1,500 (LR03)* ²	1 year* ³	3 years (LR44)* ³	3 years (LR44)* ³
	Approximate battery life Backup (years) —	—	2	—	—	—	2	—	—	—
	Dimensions HxWxD(mm) 21 x 84 x 189.5	19.5 x 82 x 178	21.2 x 91.5 x 184	21.2 x 91.5 x 184	20.7 x 122 x 89	21.3 x 87.5 x 180.5	23 x 85.5 x 169	15.1 x 81.5 x 163	12.2 x 80 x 161	11.8 x 80 x 159
	Approximate weight (g) 280	213	225	220	—	185	150	105	100	95
	Case style Snap-on hard	Slide-on hard	Slide-on hard	Slide-on hard	—	Slide-on hard	Integrated hard	Slide-on hard	Snap-on hard	Snap-on hard
	Dot matrix display 160 x 240 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	48 x 80 dots	31 x 96 dots	5 x 7 dots x 16 digits	5 x 6 dots x 12 digits	5 x 6 dots x 12 digits
	Display capacity (characters) 20 x 17	21 x 8	21 x 8	21 x 8	21 x 8	13 x 6	16	16	12	12
	Mantissa + exponent digits 10 + 3	10 + 2	10 + 2	10 + 2	10 + 2	10 (9 + 2)	10 + 2	10 + 2	10 + 2	10 + 2
	Icon menus 15	15	15	15	15	15	15	15	15	12
	Internal operation digits Up to memory	26	26	26	26	26	26	26	26	24
	Nested parentheses levels Up to memory	—	—	—	—	—	—	—	—	—
Programming Functions	Program logic ● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)
	Memory (bytes) 515,000	146,000	62,000	63,000	62,000	28,500	680	4	360	—
	Program areas Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory
	Storage memory area (Flash memory) 5.3MB	768KB	1.5MB	1.5MB	1.5MB	—	—	—	—	—
	Built-in formulas —	—	—	—	—	—	128	23	—	—
Utilities	Natural textbook display / NATURAL-V.P.A.M. ●	—	●	●	●	●	●	●	●	●
	Key rollover function ●	●	●	●	●	●	●	●	●	●
	Replay function (History) (History)	●	●	●	●	●	●	●	●	●
	Multi-replay functions —	●	●	●	●	—	—	—	—	—
	Replay copy —	—	—	—	—	—	—	—	—	—
	Backspace —	●	—	●	●	—	—	—	—	—
	CALC function —	—	—	—	—	—	—	—	—	—
	SOLVE function —	●	●	●	●	—	—	—	—	—
	Answer function —	●	●	●	●	—	—	—	—	—
	Variables Up to memory	28	28	28	28	28	26	26	26	26
	Onboard function manual —	—	—	—	—	—	—	—	—	—
	Syntax help —	—	—	—	—	—	—	—	—	—
	Auto power off ●	●	●	●	●	●	●	●	●	●
Special Features	Base-n calculations (Binary/Octal/Hexadecimal) ●	●	●	●	●	●	●	●	●	●
	Logical operations ●	●	●	●	●	●	●	●	●	●
	Engineering symbol calculations —	—	●	●	●	●	—	—	—	—
	Engineering notation (ENG/ENG) —	—	●	●	●	●	—			

Scientific Calculators Specification Table

Scientific Calculators Specification Table

PRACTICAL CALCULATORS

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

PRACTICAL CALCULATORS

Dress up your desktop with your favorite design.

The Designer Calculator



New Stylish & Cool Design



Model	Digits	Independent memory	GT	%	Profit margin %	MU	+/-	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case	Others	
RT-7000	12	○	○	○	○	—	○	○	○	○	○	○	○	○	—	0,1,2,3,4	○	Two-way power	19.7×108.5×180	250	—	Day/Date Calculations
JW-200TV	12	○	○	○	○	○	—	○	○	○	○	○	○	○	—	0,1,2,3,4	○	Two-way power	26.1×107×178.5	170	—	—
SL-1100TV	10	○	—	○	○	—	○	○	○	○	○	—	—	—	—	—	—	Two-way power	8.5×70×118.5	60	Wallet	—
MS-10VC	10	○	—	○	○	—	○	○	○	○	○	—	—	—	—	—	—	Two-way power	26.2×105.5×144	100	—	—
SL-300VC	8	○	—	○	○	—	○	○	○	○	○	—	—	—	—	—	—	Two-way power	8×70×18.5	50	Wallet	—
MS-6VC	8	○	—	○	○	—	○	—	○	—	○	—	—	—	—	—	—	Two-way power	19.2×87×120.5	70	—	—
SL-100VC	8	○	—	○	○	—	○	○	○	—	○	—	—	—	—	—	—	Two-way power	19.3×91×55 (9.4×91×10.5)	55	—	—

Folded Unfolded

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

A choice of colours to suit your style.

My Colour Selection



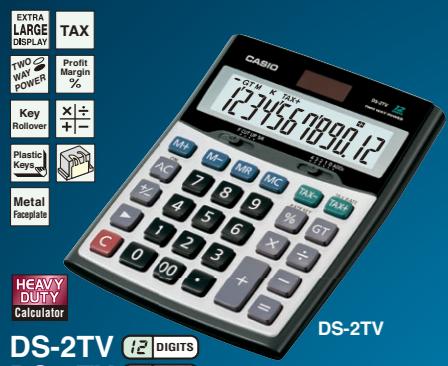
Designed and engineered for performance.

HEAVY DUTY
Calculator

What makes a CASIO "HEAVY DUTY Calculator"?



Desk-Top Type

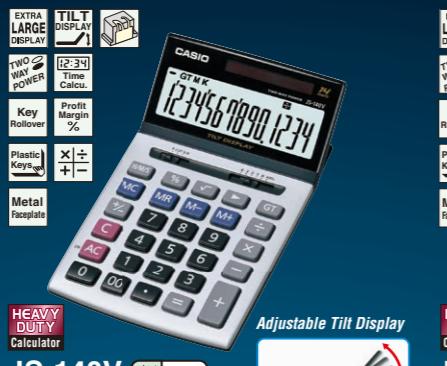


DS-3V 14 DIGITS

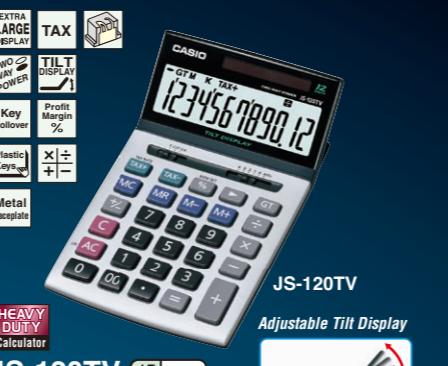
DS-2TV 12 DIGITS

DS-1TV 10 DIGITS

Compact Desk Type



JS-140V 14 DIGITS



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



JS-40V 14 DIGITS



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

Check Calculator



150 Steps Check

*120 Steps DJ-240/DJ-220

Review and Auto Review

150 STEPS CHECK ▲ ▼ Review up to 150 calculation steps.

Example 123+456+...-321=149765

Step 1 Step 2 Step 149 Step 150

REVIEW

123 □ 150 □ REVIS

149765 □ REVIS

150 STEPS CHECK □ Review!

AUTO REVIEW

Correct (all models)

CORRECT Quick and easy step editing!

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

ANS/CHECK Compare the results of two calculations!

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

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

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

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

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

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

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

Example Current calculation: Revised calculation:

(20-5) × 3 ÷ 5 = 6 [(20-5) × 3 ÷ 5 = 9] + 10 = 19

Metric Converter



MC-100 8 DIGITS

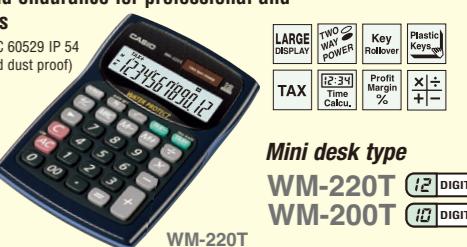
Water-protected and Dust-proof Calculator



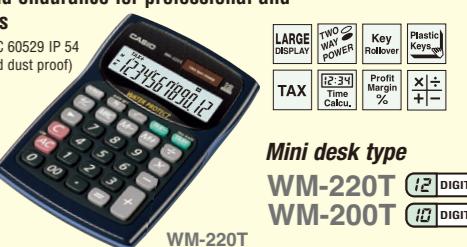
WD-220T 12 DIGITS

Durability and endurance for professional and general users

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

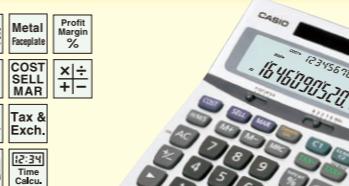


WM-220T 12 DIGITS



WM-200T 10 DIGITS

3-Line Display Calculator



Desk-Top type
DF-320TM 12 DIGITS

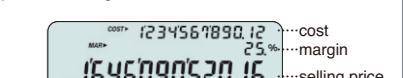


Mini desk type
MS-310TM 10 DIGITS

Cost, Selling Price and Margin Calculations

For Shopkeepers & Traders

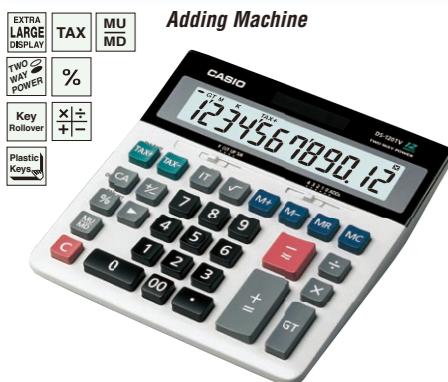
Perform the operations shown below to calculate cost, selling price, and margin.



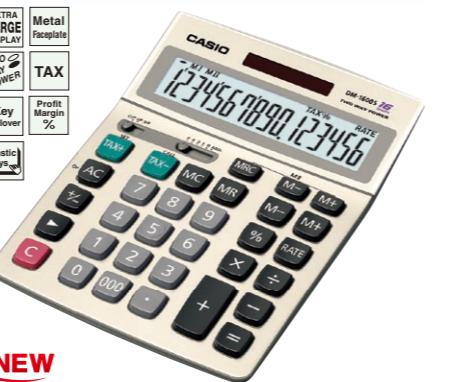
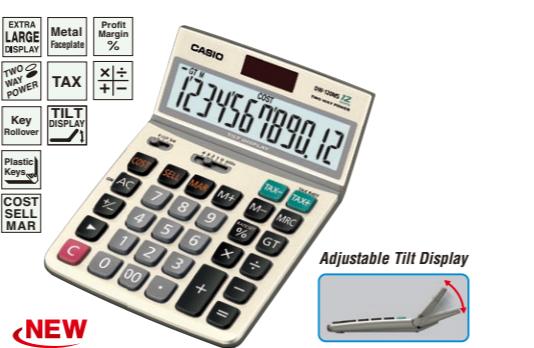
Model	Digits	Independent memory	GT	%	Profit margin %	✓	+/−	►	3-digit comma markers	Time calculation	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
DS-3V	14	○	○	○	○	○	○	○	○	—	○	○	○	○	○	○	Two-way power	47.8×148×186	290
DS-2TV	12	○	○	○	○	—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

Model	Digits	Independent memory	GT	%	Profit margin %	MU	✓	+/−	►	3-digit comma markers	Time calculation	Tax calculation	Exchange	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case	Others
DJ-240/220	14	12	○	—	○	○	○	—	○	○	○	○	○	○	○	○	○	○	Two-way power	35.7×147×203.5	250	—	120 T P
DJ-120TG	12	○	—	○	○	—	○	○	○	—	○	—	○	—	○	○	○	○	Two-way power	35×140×191	205	—	150 T P
JJ-120TG	12	○	—	○	○	—	○	—	○	○	—	○	—	○	—	○	—	○	Two-way power	25.2×107×178.5	140	—	150 T P
MJ-120TG/100TG	12	10	○	—	○	○	—	○	○	○	—	○	—	○	—	○	—	—	Two-way power	30.1×123×140	130	—	150 T P
MC-100	8	○	—	○	○	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	6.1×107×117	42	Wallet	metric conversion
WD-220T	12	○	—	○	○	—	○	○	○	—	○	—	○	—	—	—	—	—	Two-way power	34.9×139×187.5	255	—	—
WM-220T/200T	12	10	○	—	○	○	—	○	○	○	—	○	—	○	—	○	—	—	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

NEW
DM-1200S 12 DIGITSNEW
DM-1600S 15 DIGITSNEW
DM-1400S 14 DIGITSNEW
DM-1200MS 12 DIGITSNEW
D-120S 12 DIGITSNEW
DF-120MS 12 DIGITSD-60L 15 DIGITS
D-40L 14 DIGITS
D-20L 12 DIGITSNEW
DW-120MS 12 DIGITS

Adjustable Tilt Display

Freely adjustable display angle

Easy calculation of cost, selling price and margin.

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

Cost

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

1 AC 150 SELL 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?

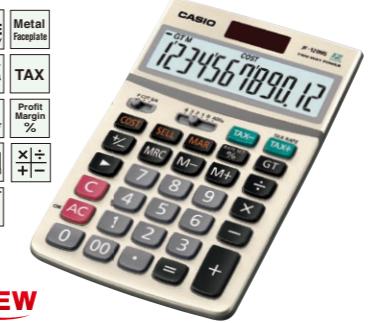
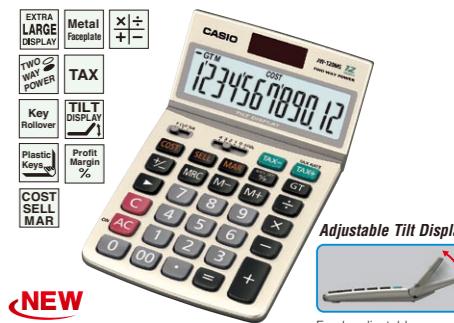
1 AC 120 COST 120.
 2 40 MAR 40.
 3 MAR 80.
 4 SELL 200.

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.
 4 SELL 200.

Compact Desk Type

NEW
J-120S 12 DIGITSNEW
JF-120MS 12 DIGITSNEW
JW-120MS 12 DIGITS

Adjustable Tilt Display

Freely adjustable display angle

Mini Desk Type



MS-470V 14 DIGITS

NEW
MS-120MS 12 DIGITS
MS-100MS 10 DIGITSNEW
MS-80S 8 DIGITS
MS-20S 12 DIGITS
MS-10S 10 DIGITSNEW
MS-8S 8 DIGITSMS-270TV 12 DIGITS
MS-170TV 10 DIGITS

MS-7TV 8 DIGITS



MW-8V 8 DIGITS



MW-5V 8 DIGITS



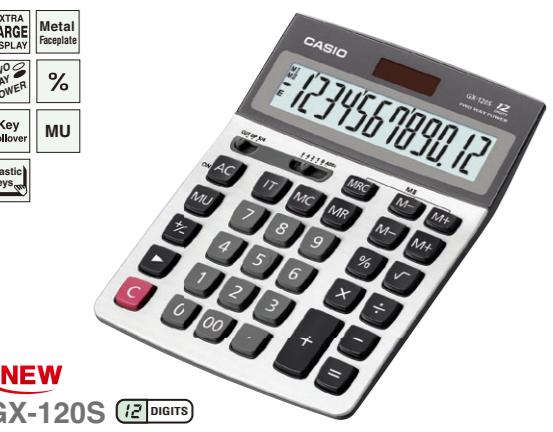
NS-20T 12 DIGITS

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

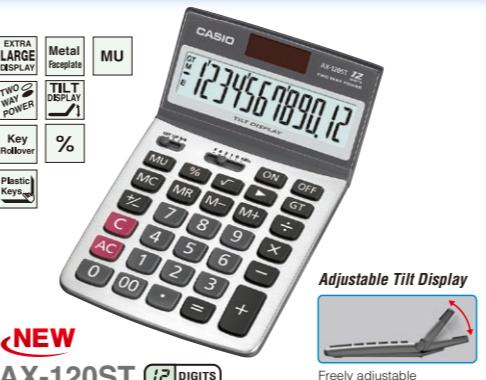
Model	Digits	Independent memory	Cost/Sell/ Margin	GT	%	Profit margin %	✓	+/	3-digit comma markers	Time calculation	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	ADD mode	Power supply	Approximate battery life (years)	Dimensions HxWxD (mm)	Approximate weight (g)
J-120S	12	○	—	○	○	○	—	○	○	—	○	—	○	○	○	○	Two-way power	—	25x107x176	145
JF-120MS	12	○	○	○	○	○	—	○	○	—	○	—	○	○	○	○	Two-way power	—	26.3x107x173	155
JW-120MS	12	○	○	○	○	○	—	○	○	—	○	—	○	○	○	○	Two-way power	—	26.1x107x178.5	170
MS-470V	14	○	—	○	○	○	—	○	○	—	○	—	○	○	○	○	Two-way power	—	30.6x111x142.5	125
MS-120MS/100MS	12/10	○	○	—	○	○	—	○	—	—	○	—	○	—	—	—	Two-way power	—	30.7x103x145	120
MS-80S	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	—	30.7x103x145	120
MS-20S/10S	12/10	○	—	○	○	—	—	○	—	—	○	—	○	—	—	—	Two-way power	—	31.7x103x145	100
MS-8S	8	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	—	31.7x103x145	100
MS-270TV/170TV	12/10	○	—	○	○	—	—	○	○	—	○	—	○	—	—	—	Two-way power	—	30.4x111x142.5	125
MS-7TV	8	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	—	30.4x111x142.5	120
MW-8V	8	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	AA (LR6 or R6P)x1	2	28.8x103x145	120
MW-5V	8	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	AA (LR6 or R6P)x1	2	25.1x84x118	85
NS-20T	12	○	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Two-way power	—	10.7x87x145	90

Value Series

Desk-Top Type



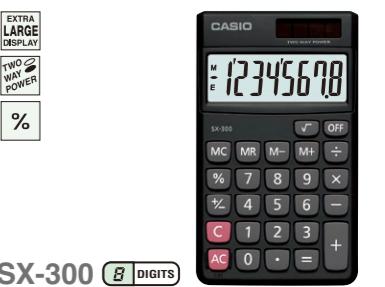
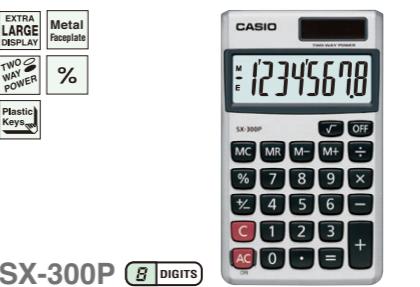
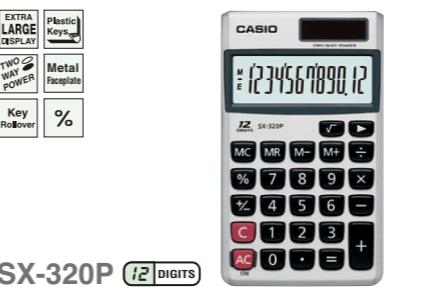
Compact Desk Type



Mini Desk Type



Portable Type



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

Model	Digits	Independent memory	GT	%	MU	<input checked="" type="checkbox"/>	+/-	<input checked="" type="checkbox"/>	3-digit comma markers	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions HxWxD (mm)	Approximate weight (g)	Case	
AX-120ST	12	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	26.1x107x178.5	170	—
AX-120S	12	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	29.3x107x175.5	165	—
AX-12S	12	○	○	○	○	○	○	○	○	○	○	○	○	0,1,2,4	○	Two-way power	25x107x176	145	—
MX-120S	12	○	—	○	○	—	○	○	○	—	○	○	○	—	—	Two-way power	30.7x103x145	120	—
MX-12S	12	○	—	○	○	—	○	○	○	—	○	○	○	—	—	Two-way power	31.7x103x145	100	—
MX-8S	8	○	—	○	○	—	○	○	—	○	—	○	—	—	—	Two-way power	31.7x103x145	100	—
SX-320P	12	○	—	○	—	○	○	○	○	—	○	—	○	—	—	Two-way power	7.5x70x118.5	50	Wallet
SX-300P	8	○	—	○	—	○	○	—	○	—	○	—	○	—	—	Two-way power	7.5x70x118.5	50	Wallet
SX-300	8	○	—	○	—	○	○	—	○	—	○	—	○	—	—	Two-way power	7.5x70x118.5	50	Wallet
SX-220	12	○	○	—	○	○	—	○	○	—	○	—	○	—	—	Two-way power	(F)12.5x120x73 (D)6.5x120x141	80	—
SX-100	8	○	—	○	—	○	○	—	○	—	○	—	○	—	—	Two-way power	(F)13.5x91x55 (D)9.4x91x10.5	55	—

(F) Folded (D) Unfolded

PRINTING CALCULATORS



Printouts of results along with each calculation step can be attached to documents

PRINTING CALCULATORS

Mini-printer



HR-8TM 12 DIGITS

BK (Cool Black)

GY (Light Gray)

Compact Type



HR-100TM 12 DIGITS

HR-150TM 12 DIGITS

HR-210TM 12 DIGITS

Heavy-duty Type



DR-210TM 12 DIGITS

DR-240TM 12 DIGITS

DR-270TM 12 DIGITS

TIME

Prints the current time and date

Desk-Top Type



FR-2650T 12 DIGITS

BK (Black)

DR-120TM 12 DIGITS

WE (White)

Thermal Printer

Quick (approximately 8 lines/sec.) and quiet



DR-T220 12 DIGITS

*Supplies extremely limited

Main Functions

Cost, Selling Price and Margin Calculations

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

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

Exchange Functions

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

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

Tax Calculations (Excluding Thermal Printer)

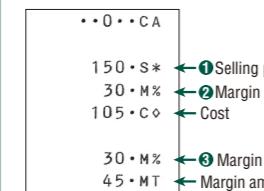
Set the rate you want for easy calculation of amount plus tax, amount less tax, and tax amount.

Printing Sample

Cost

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

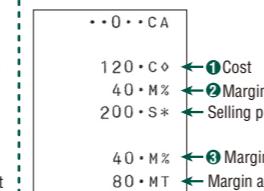
- ① CA 150 **SELL** 150.
- ② 30 **MAR** 105.
- ③ **MAR** 45.
- ④ **COST** 105.



Selling Price

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

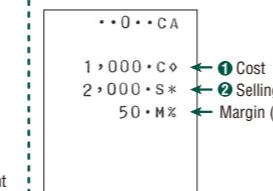
- ① CA 120 **COST** 120.
- ② 40 **MAR** 200.
- ③ **MAR** 80.
- ④ **SELL** 200.



Margin

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

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



*Print sample: DR-120TM

Model	Display	Digits	Simple algebraic logic	Adding machine	Sub-total/Total	GT	Independent memory	Cost/Sell/ Margin	% Profit margin %	MU/ MD	+/-	3-digit comma markers	2-colour printing	Tax calculation	Exchange calculation	Item counter	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Ink-roll/ Ink ribbon	Paper width (mm)	Print speed (lines/s)	Dimensions HxWxD (mm)	Approximate weight	Others
HR-8TM	LCD	12	○	—	—	○	○	○	○	—	—	○	—	○	○	—	○	—	0.2	—	AAx4 AD-A60024	IR-40	58	1.6*1	41.1x99x196	340g	Function command signs, Auto power off function	
HR-100TM	LCD	12	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	○	○	○	○	○	○	—	0.2,3	○	AAx4 AD-A60024	IR-40T	58	2.0*1	67x165.5x285	520g	Average calculation		
HR-150TM	LCD	12	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	○	○	○	○	○	○	—	0.2,3	○	AAx4 AD-A60024	IR-40T	58	2.4*1	67.4x196x317	700g	Average calculation		
FR-2650T	Digitron	12	—	○	○ ○ ○ ○	—	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0,2,3,4	○	—	AC only	IR-40T	58	2.4*1	70x206x335	1.1kg	Average calculation		
DR-120TM	Digitron	12	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0-6	○	—	AC only	RB-02	58	3.5*2	109.3x214.5x382	1.7kg	Average calculation		
DR-140TM	Digitron	14	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0-6	○	—	AC only	RB-02	58	3.5*2	109.3x214.5x382	1.7kg	Average calculation, 100		
DR-210TM	Digitron	12	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0-6	○	—	AC only	RB-02	58	4.4*2	109.3x214.5x382	1.7kg	Data print function		
DR-240TM	Digitron	14	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0-6	○	—	AC only	RB-02	58	4.4*2	109.3x214.5x382	1.7kg	Data print function, 100		
DR-270TM	Digitron	12	—	○	○ ○ ○ ○	○	○	—	○ ○ ○ ○	○	—	○	○	○	○	—	0-6	○	—	AC only	RB-02	58	4.8*2	109.3x214.5x382	1.9kg	Clock & Calendar		

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

Model	Digits	Independent memory	Date/time display	%	MU/ MD	Constant calculation	Total and grand total	Repeat addition, subtraction, ADD mode	Item counter	00 key	000 key	3-digit separator display	3-digit separator printing	Auto power off	Cut off/Round off	Paper width (mm)	Print speed (lines/s)	Per character print size (mm)	Variable print font	Memory print	Calculation check	Power Supply	Dimensions H x W x D (mm)	Weight (kg)	Others
DR-T120	12	○	○	○	○	○	○	○	○	○	○	○	○	No (30-minute auto return to timekeeping)	○	58	8.0*3	Font - B	—	—	—	AC only (built-in backup battery)	91x340x213, 1.7	91x340x213, 1.7	
DR-T140	14	○	○	○	○	○	○	○	○	○	○	○	○	No (30-minute auto return to timekeeping)	○	58	8.0*3	Font - B	—	—	—	AC only (built-in backup battery)	91x340x213, 1.7	91x340x213, 1.7	
DR-T220	12	○	○	○	○	○	○	○	○	○	○	○	○	No (30-minute auto return to timekeeping)	○	58	8.0*3	Font - B, A(2.832), C(3.499)	○	○	○	AC only (built-in backup battery)	91x340x213, 1.7	91x340x213, 1.7	

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

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

MODEL INDEX

Red numbers indicate new models.

SALES PROMOTION MATERIALS

Display Stand for Practical Calculators

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



Display Stand for Colourful Calculators

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



Display Stand for Label Printers

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



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

NEWSPAPER/MAGAZINE ADVERTISEMENT

Scientific Calculator Artwork



Brand Artwork

Check Calculator Artwork



NEW



ES Series

Financial Consultant Artwork



FC-200V / 100V



Cost, selling Price and Margin models

Thermal Printer models

ROADSHOW KIT FOR SCIENTIFIC CALCULATORS



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

CASIO Logo Sticker



• Size: 210 × 297mm

Unit Stand (PPSD7)



• Size: 76H × 66W × 95Dmm

• Weight: 25g

Display Stand for Stylish Calculators*

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



* Stylish Calculators shown in the photo are included.

Attention Pop Board for Colourful Calculators



• Size: L500 × W600 × H50mm

Display Tool Kit for Practical Calculators



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

Display Tool Kit for Scientific Calculators ES Series



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

ACTIVITIES

Scientific Calculator Activities

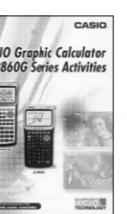
Activities for ES Series

(Activities for MS Series are also available.)



Graphic Calculator Activities

Activities for fx-9860G Series



Financial Consultant Activities

Calculation Examples for FC-200V/100V



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FUNCTION SYMBOLS

Scientific Calculator/Financial Consultant

763
FUNCTIONS

Number of functions



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



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



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



STAT-data 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.



Colour display

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



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.



Super solar

Solar cell powers calculations even when lighting is relatively dim.



Plastic keys

Designed and engineered for easy operation.



Profit margin percent

% key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios, increase/decrease values and regular percentages.



Function command signs

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

Practical Calculator/Printing Calculator



Extra Large display

Larger display makes more data easier to read.



Large display

Large, easy-to-read display.



Two-way power (Solar + Battery)

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



Super solar

Solar cell powers calculations even when lighting is relatively dim.



Key rollover

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



Plastic keys

Designed and engineered for easy operation.



Durable metal Faceplate

Tough cover stands up to rough treatment.



Cost/Sell/Margin

Calculate the cost, selling price, or margin of profit on an item, given the other two values.



Tax & exchange function

Tax calculation and currency conversion functions.



Tax calculation

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



Tilt Display

The degree of display can be adjusted freely.



Day/Date calculation

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



Time calculation

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



Metric conversion function

Conversion between metric units and another measurement unit.



Profit margin percent

% key gives quick access to prices and profits, and also delivers add-ons, discounts, ratios and increase/decrease values.



Regular percent

Regular percentage calculations.



MU

Mark-up/Mark-down

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



Super command signs

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



Function command signs

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



Clock & Calendar

Printing the current time and date.



120/150 steps check

Displays up to 120 or 150 previous calculation steps.



Line printing

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



2-colour printing

Positive values are shown in black, and negative values are shown in red for easy checking.



3.5 line-per-second printing

The value indicates the number of lines printed per second.



Heavy-duty durable keys

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

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

CASIO
CASIO COMPUTER CO., LTD.
Tokyo, Japan

*Designs and specifications are subject to change without notice.

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