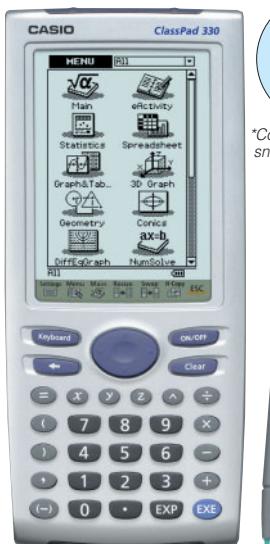




SCIENTIFIC CALCULATORS

Scientific Calculator
Financial Consultant

Tools for the classroom, the research laboratory, and everywhere in between.
Quick solutions to complex financial calculations at your fingertips.

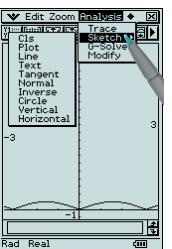


*Comes with
snap-on hard case

User-friendly Interface

Pen Touch Operation

Intuitive, stylus-based operation is used to enter values and expressions, select menu mathematical expressions such as log, Σ , f , d/dx , lim, matrices, F (Fourier transforms), and L (Laplace transforms) can be entered and displayed in the same format shown in the textbook. An on-screen soft keyboard helps you to enter various or complicated expressions easier.

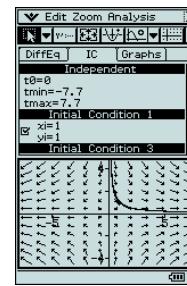
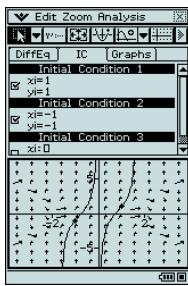


ClassPad 330 NEW

Built-in Applications for ClassPad 330

Differential Equation Application NEW

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.

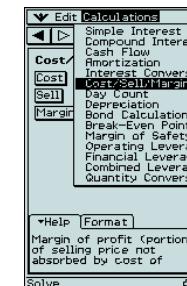
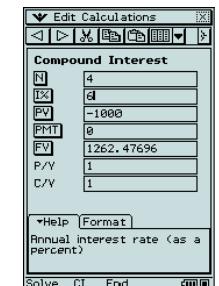


Advanced CAS (Computer Algebra System)

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.

Financial Application NEW

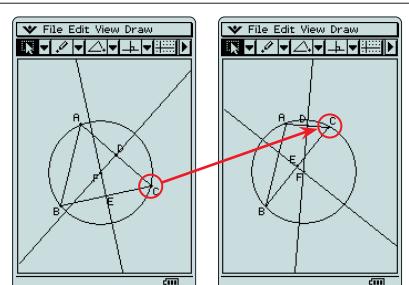
This new ClassPad 330 application provides you with a total of 15 different financial calculations, including simple/compound interest, cash flow, amortization, depreciation, bond calculation, operating/financial leverage, and more.



Geometry Application

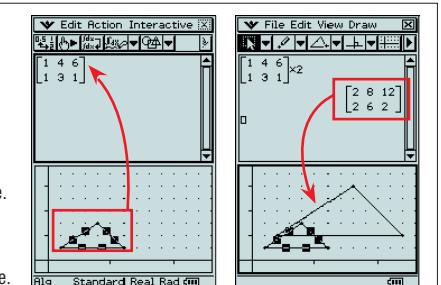
Geometric Graphing

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



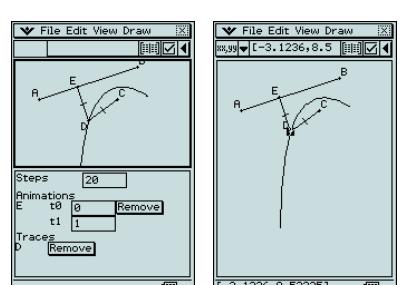
Geometric Graphing Using Drag & Drop

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



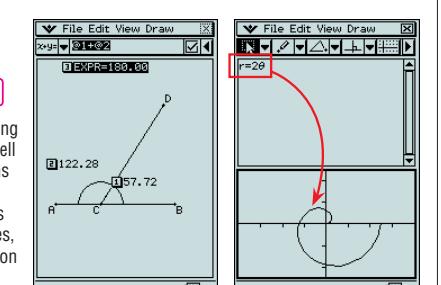
Animation

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 show an example where Point D is plotted as the locus for Point E moving on Line AB.



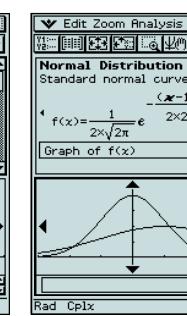
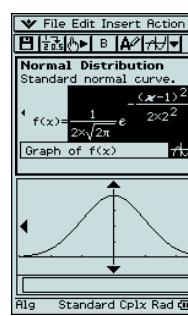
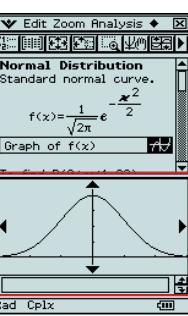
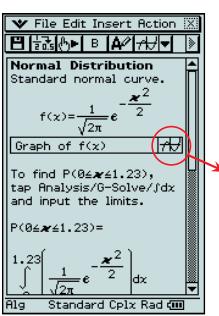
Enhanced Geometric Functions NEW

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



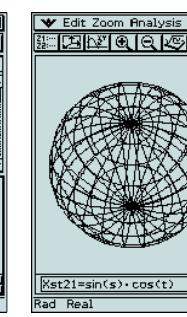
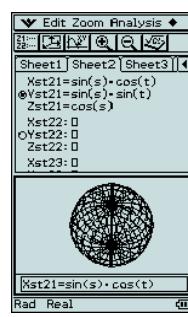
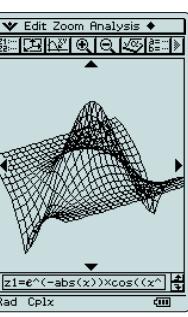
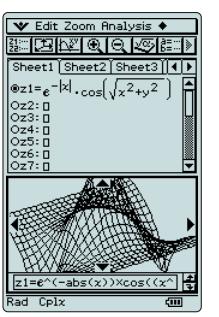
eActivity Application

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



3D Graph Application

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



ClassPad 330 Specifications

ALGEBRA

- CAS (Computer Algebra System)
- Fractions
- Transformation (simplify, expand, factor)
- Algebraic ($\sqrt{ }$, x^2 , x^{-1} , $x!$, $\sqrt[n]{ }$, x^n)
- Real and Complex results
- List • Matrix
- Combination nCr , Permutation nPr
- Exponents (log, ln, 10^x , e^x)
- Trigonometry (\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, xyLine, 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
- Presentaion 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 display (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-CP300A/B
- EA-200 Data Analyzer
- OH-ClassPad 330 SET (Overhead projection model)

Graphic Models with Flash Memory



over 1,000 functions
10+2 DIGITS
63,000 bytes
ICON MENU
DOT MATRIX
NATURAL TEXTBOOK
STAT-data
Multireplay
Plastic Keys

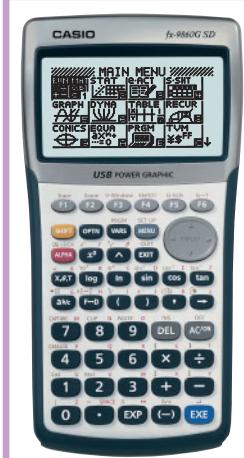
fx-9860G Slim

A compact and slim body with user friendly design and interface

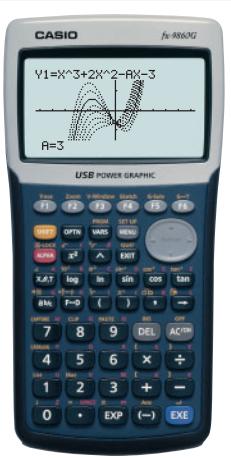
Powerful graphing capabilities and a versatile help feature creates an advanced scientific and technical calculation environment in a stylish and compact clamshell configuration. In addition to scientific functions, statistics, and financial calculations, the fx-9860G Slim comes with Spreadsheet, eActivity, and other applications built-in.

• Backlight

Easy to read, even in areas where lighting is dim.



fx-9860G SD



fx-9860G



Free Add-in software for fx-9860G series

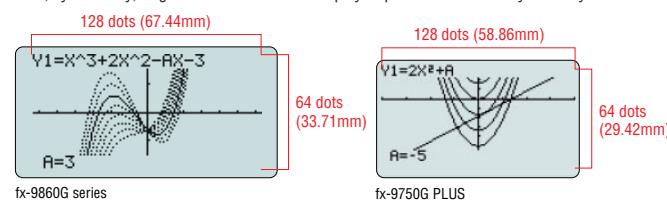
- E-CON2
- Phisum
- Geometry

For more information on the fx-9860G series, please visit our website:
<http://edu.casio.com>

Hardware Features

High-resolution LCD

The fx-9860G series features a sharp, crisp display of the high-resolution LCD with enlarged dot-area, assuring larger and even sharper images of formulas, graphs and graphics. The clear, eye-friendly, large-sized 64 × 128 dot display improves the efficiency of study.



High-speed CPU

By employing high-performance, high-speed CPU, the fx-9860G series remarkably accelerated the processing speed. The speed increased dramatically compared to conventional models.

A large capacity 1.5MB Flash Memory

With an ample 1.5MB Flash Memory, various data and applications can be downloaded and stored without worrying about memory capacity.

Ready-to-use USB functions

Since USB cable, unit-to-unit cable and Program-Link Software are included in the package, high-speed data communication between PC and the unit, or unit-to-unit data communication and program exchange can be performed immediately from the day of purchase.

SD Card Slot (SD model only)

The fx-9860G SD is equipped with a SD card slot which allows easy data exchange.

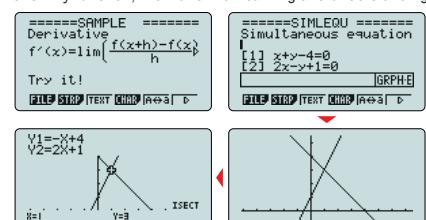
Software Features

Natural Input Display

Just like writing on a notebook, fractions, roots, powers and integrals can be entered and displayed in the same format shown in the textbook. In this way, the Natural Input Display deepens the understandings of the student. Also, it displays the result of the fraction calculation as it is shown in the textbook.

eActivity

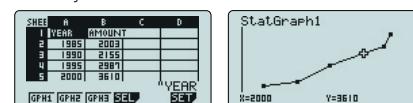
This unit is equipped with the popular eActivity function of the ClassPad 330. The innovative eActivity functions of the fx-9860G series allow the students, not to mention teachers, to create their own problems or study materials. With this function, students can learn at their own pace and study more efficiently at school or at home. By making full use of the superb features of the eActivity function, motivation for learning and understanding can be greatly improved.



Built-in Software

Table calculations come easy with the built-in Spreadsheet function

Since the multi-function Spreadsheet even includes a built-in Graphing Function, it can be used effectively for exercises in table calculation lessons.



1,500 FUNCTIONS
146,000 bytes
768KB Flash Memory
21 characters by 8 lines
10 digits + 2 digits
ICON MENU
DOT MATRIX

ALGEBRA FX 2.0 PLUS



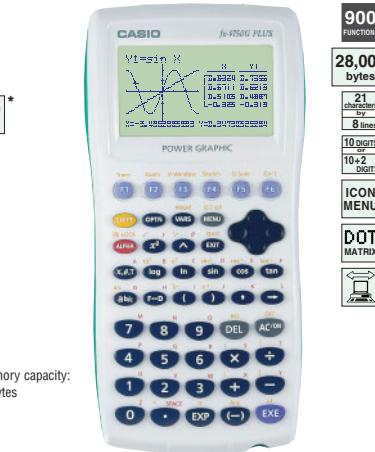
*Comes with slide-on hard case

Graphic Models

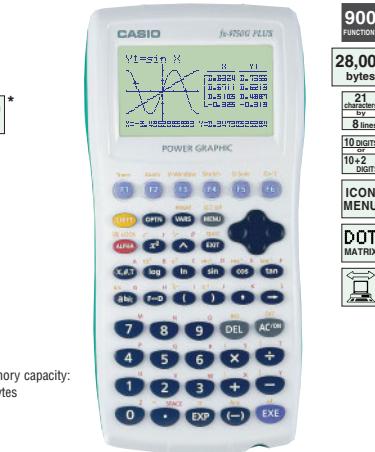
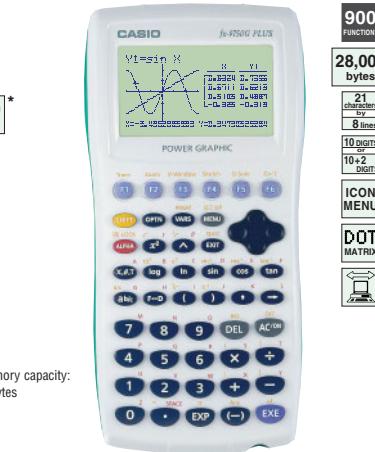
COLOUR POWER GRAPHIC



POWER GRAPHIC



POWER GRAPHIC



CFX-9850GC PLUS fx-9750G PLUS



*Comes with snap-on hard case

- Large 3-colour display (128 × 64 dots) (CFX-9850GC PLUS)
- Large display (128 × 64 dots) (fx-9750G PLUS)
- Graphic functions (Rectangular coordinate graph, Polar coordinate graph, Parameter graph, Inequality graph, Integration graph, Statistical graph)
- Dynamic graph • Dual graph • Conic section graph • Regression graph (Logistic regression graph, Sinusoidal regression graph, Linear regression graph, and more)
- Graph solve • Integrations • Differential and quadratic differential calculations • Complex number calculations • Table and graph • Recursion graph • List-based statistics • Advanced statistics • BASIC-like program functions • Linear equations from two to six unknowns • Quadratic equations, Cubic equations • Matrix operations • Base-n calculations/conversions • Financial function • Data communications (requires optional FA-123/FA-123 USB for connecting with PC)

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. CASIO's CAS is based on the CASIO's original algebra system and enhanced by our R & D team, Professor John Kenelly and other math instructors, adopting teachers' advice and suggestion.

Factorization

$$\text{Factor}(x^2+8x+16)$$

$$(x+4)^2$$

$$x^2+8x+16$$

$$\text{TAN}(x^2+8x+16)$$

$$x^2+8x+16$$

$$\text{TAN}(x^2+8x+16)$$

$$x^2+8x+16$$

$$\text{TAN}(x^2+8x+16)$$

$$\text{TAN}(x^2+8x+16)$$

$$\text{TAN}(x^2+8x+16)$$

$$x^2+8x+16$$

$$\text{TAN}(x^2+8x+16)$$

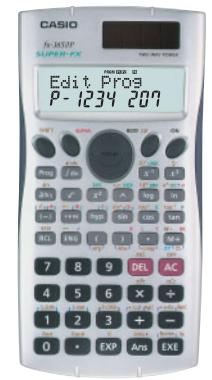
Programmable Models

**SUPER-FX PLUS**
fx-5800P

Natural Textbook Display & MORE POWERFUL Program Functions

- Program function
- Matrix calculations
- Differential and integration
- Recursions
- Solve function
- Complex number calculations
- Base-n calculations
- Data transmission between two fx-5800P calculators
- 26 – 2398 variable memories
- Fraction calculations
- 40 scientific constants
- 128 built-in formulas
- Multi-replay function
- Statistics (STAT-data editor, Standard deviation, Regression analysis)
- An integrated hard case swings back a full 360 degrees.

Two-way power

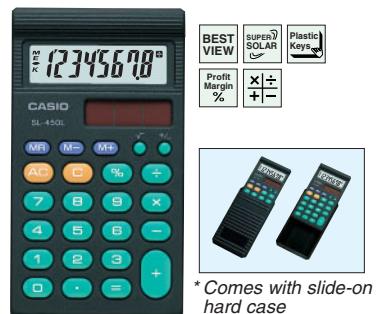
**SUPER-FX**
fx-3650P

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

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

School Cal

Plastic keys and protective hardcase provide the best of operation and durability

**SL-450L**

- Display: LCD
- Digits: 8
- Simple algebraic logic
- Independent memory
- Profit margin %
- Power supply: solar
- Dimensions: 7.8(H) × 67(W) × 120(D) mm
- Approximate weight: 47 g

Two-way power

**FC-200V**

- 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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Financial Consultant

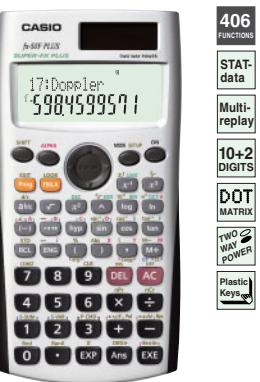
The new Financial Consultant solves the riddles of financial calculations with its powerful & exclusive built-in functions.

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Standard Models

**SUPER-FX PLUS**
fx-50F PLUS

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

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

Two-way power

**SUPER-FX**
fx-3950P

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

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

Two-line display and program file system

- 2-line display shows formulas and results simultaneously.
- High utility variation of program steps (1,103 – 7) and data memories (26 – 163)
- Program file system for storing multiple programs
- Replay function
- Engineering symbol calculations
- Formula memory
- Integrations
- Statistics (Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations

Financial Consultant

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Two-line display

Multi-replay

2-line display

10+2 digits

Dot matrix

Stat-data

Multi-replay

10+2 digits

Two-way power

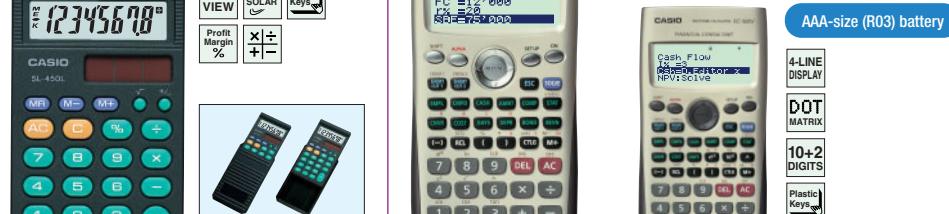
**fx-4500PA**

2-line display and program file system

- 2-line display shows formulas and results simultaneously.
- High utility variation of program steps (1,103 – 7) and data memories (26 – 163)
- Program file system for storing multiple programs
- Replay function
- Engineering symbol calculations
- Formula memory
- Integrations
- Statistics (Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations

Financial Consultant

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Two-line display

Multi-replay

2-line display

10+2 digits

Dot matrix

Stat-data

Multi-replay

10+2 digits

Two-line display

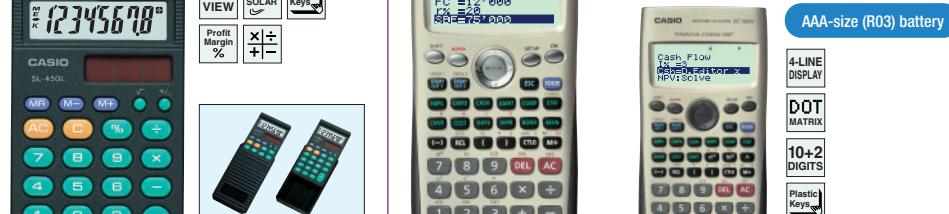
**fx-4500PA**

2-line display and program file system

- 2-line display shows formulas and results simultaneously.
- High utility variation of program steps (1,103 – 7) and data memories (26 – 163)
- Program file system for storing multiple programs
- Replay function
- Engineering symbol calculations
- Formula memory
- Integrations
- Statistics (Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations

Financial Consultant

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Two-line display

Multi-replay

2-line display

10+2 digits

Dot matrix

Stat-data

Multi-replay

10+2 digits

Two-line display

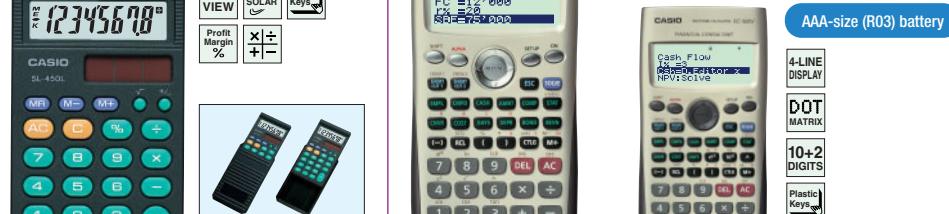
**fx-4500PA**

2-line display and program file system

- 2-line display shows formulas and results simultaneously.
- High utility variation of program steps (1,103 – 7) and data memories (26 – 163)
- Program file system for storing multiple programs
- Replay function
- Engineering symbol calculations
- Formula memory
- Integrations
- Statistics (Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations

Financial Consultant

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Two-line display

Multi-replay

2-line display

10+2 digits

Dot matrix

Stat-data

Multi-replay

10+2 digits

Two-line display

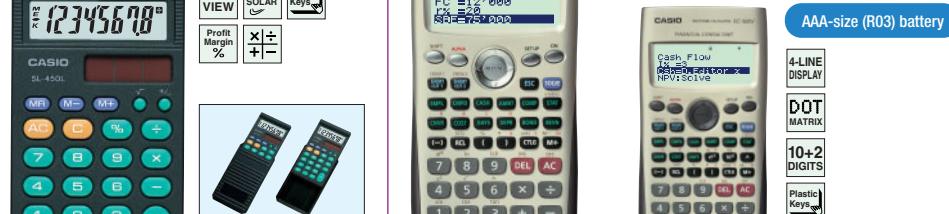
**fx-4500PA**

2-line display and program file system

- 2-line display shows formulas and results simultaneously.
- High utility variation of program steps (1,103 – 7) and data memories (26 – 163)
- Program file system for storing multiple programs
- Replay function
- Engineering symbol calculations
- Formula memory
- Integrations
- Statistics (Standard deviation, Regression analysis)
- Base-n calculations/conversions
- Logical operations

Financial Consultant

- Direct mode key and new operation
- Depreciation
- Bond calculation
- Break-even point calculation

**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 (1 hour of operation per day) (FC-200V)/ 17,000 hours continuous display of flashing cursor (FC-100V)
- 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/ 105 g, FC-100V/ 110 g

Two-line display

Multi-replay

2-line display

10+2 digits

Dot matrix

Stat-data

Multi-replay

10+2 digits

Two-line display



Standard Models

AA-size battery



fx-82MS

Button-type battery

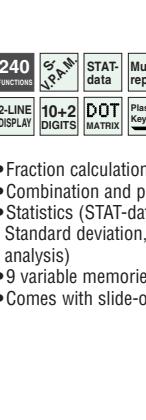


fx-82MS-BU

Two-way power



fx-350MS



fx-85MS

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

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

AA-size battery



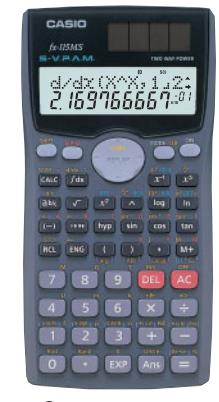
fx-95MS

AA-size battery



fx-100MS

Two-way power



fx-115MS

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

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

Added functions of the fx-100MS/115MS:

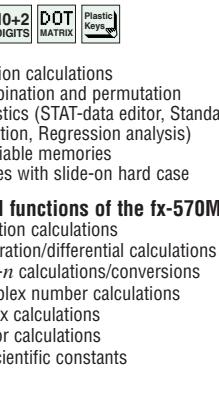
- Equation calculations
- Integration/differential calculations
- Base-n calculations/conversions
- Complex number calculations

Button-type battery



fx-570MS

Two-way power



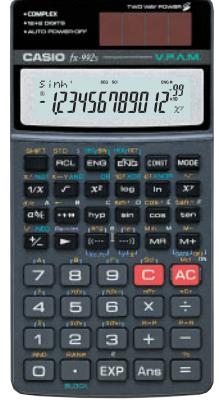
fx-991MS

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

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

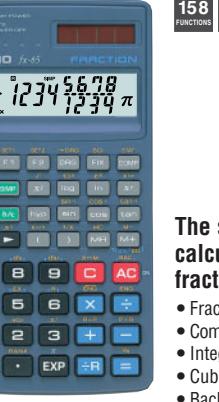
- Equation calculations
- Integration/differential calculations
- Base-n calculations/conversions
- Complex number calculations
- Matrix calculations
- Vector calculations
- 40 scientific constants

Two-way power



fx-992S

Two-way power



fx-65

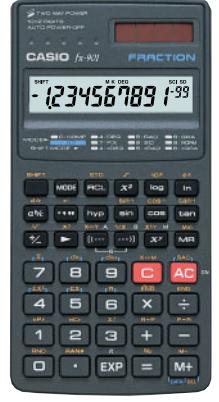
383 FUNCTIONS
12+2 DIGITS
S-V.P.A.M.

* Comes with slide-on hard case

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

The scientific calculator with true fraction display
• Fraction reduction
• Combination and Permutation
• Integer division
• Cube roots
• Back space key • Cube
• Comes with slide-on hard case

Two-way power



fx-901

158 FUNCTIONS
10+2 DIGITS

150 FUNCTIONS
10+2 DIGITS

* Comes with slide-on hard case

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

Calculators in the Classroom

Supporting options for graphic scientific calculators

Data Analysis System

Quick and accurate data accumulation assists analysis in intensive studies.

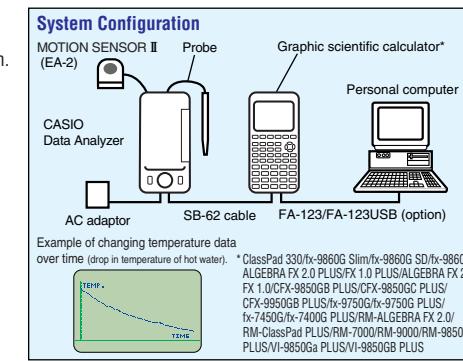


EA-200

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

Includes:

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



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.

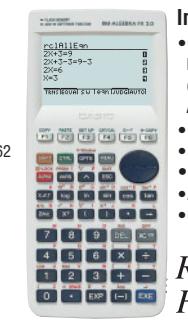
Graphic Scientific Calculator Projection Set

All the functions of the ClassPad 330



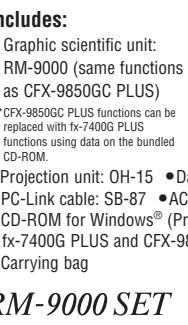
OH-ClassPad 330 SET

All the functions of the ALGEBRA FX 2.0 PLUS



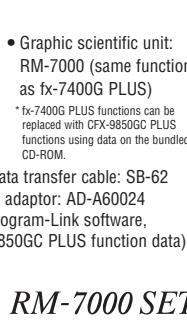
RM-ALGEBRA FX 2.0 SET

All the functions of the CFX-9850GC PLUS



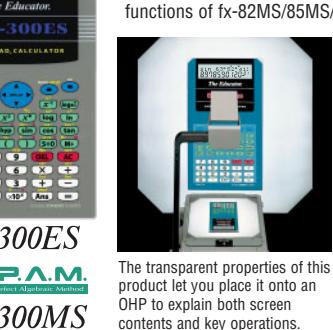
RM-9000 SET RM-7000 SET

All the functions of the fx-7400G PLUS



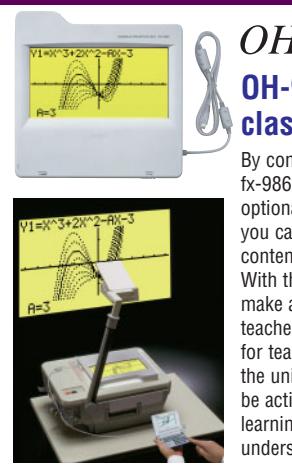
Project display contents onto a big screen using an OHP! A powerful classroom presentation tool!

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



The transparent properties of this product let you place it onto an OHP to explain both screen contents and key operations.

OHP Projection Model

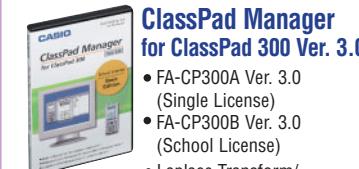


OH-9860

OH-9860 activates class activity

By connecting the fx-9860G SD/ fx-9860G/fx-9860G Slim to the optional OHP unit with a USB cable, you can project the displayed contents of the fx-unit on the screen. With this function, each student can make a presentation in the class or teachers can use it as a powerful tool for teaching. Thus, the application of the unit broadens, class activities will be activated, and the efficiency of learning and the student's understanding will be improved.

Software



ClassPad Manager for ClassPad 300 Ver. 3.0

- FA-CP300A Ver. 3.0 (Single License)
- FA-CP300B Ver. 3.0 (School License)
- Laplace Transform/ Fourier Transform
- Geometry Application
- Financial function

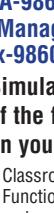


FA-9860A Ver. 1.1 (Manager PLUS for fx-9860G Series)

Simulates the functions of the fx-9860G series on your PC!

- Differential Equation Application
- Spreadsheet Application
- Data communication with ClassPad 300 series calculators

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



FA-123USB Data Communication Package

Includes:
Program-Link software for Windows® PC (CD-ROM), SB-88 PC-Link cable

System Requirements

- Computer: IBM PC/AT or compatible
- Operating System: Windows® 98SE/Me/2000/XP
- Monitor: Colour (256 colours or more)
- Minimum free space on hard drive: 2MB
- RAM: 2MB free • CD-ROM drive • USB port : 1 port free

The Program-Link software can be downloaded from the WEB.

<http://edu.casio.com/>
* The Program-Link software needs the SB-88 PC-Link cable. Those users who had downloaded the software from the WEB are asked to purchase the cable.



Scientific Calculators Specification Table

Graphic Models										Programmable Models										Programmable Models										Standard Models									
	Model	fx-9860G Slim	fx-9860G SD	fx-9860G	ALGEBRA FX 2.0 PLUS	CFX-9850GC PLUS	fx-9750G PLUS	fx-7400G PLUS	fx-5800P	fx-50F PLUS	fx-50F		Model	fx-3650P	fx-3950P	fx-4500PA	fx-82ES	fx-85ES	fx-350ES	fx-500ES	fx-991ES	fx-570ES																	
Specifications	Number of functions	Over 1,000	Over 1,000	Over 1,000	Over 1,500	905	900	406	664	406	262			279	279	242	249	249	249	249	403	403																	
	Power supply (Main)	AAA x 2	AAA x 4	AAA x 4	AAA x 4	AAA x 4	AAA x 4	AAA x 2	AAA x 1 (LR03)	Two-way power (Solar + LR44 x 1)	Two-way power (Solar + GR927 x 1)			Two-way power (Solar + LR44 x 1)	LR44 x 1	CR2032 x 1	AAA x 1 (R03)	Two-way power (Solar + LR44 x 1)	AAA x 1 (R03)	Two-way power (Solar + LR44 x 1)	AAA x 1 (R03)																		
	Power supply (Backup)	—	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1	—	—	—			—	—	CR2032 x 1	—	—	—	—																			
	Approximate battery life Main (hours)	140 (LR03)* ¹	300 (LR03)* ¹	300 (LR03)* ¹	140 (R03)* ² /230 (LR03)* ²	180 (R03)* ² /320 (LR03)* ²	240 (R03)* ² /420 (LR03)* ²	900 (R03)* ² /1,500 (LR03)* ²	1 year	3 years (LR44)* ³	7 years* ³			3 years (LR44)* ³	9,000**/3 years* ⁵	5,000**	17,000**	3 years (LR44)* ³	8,700** ¹	17,000** ⁴	3 years (LR44)* ³	17,000** ⁴																	
	Approximate battery life Backup (years)	—	5	5	2	2	2	2	—	—	—			—	—	—	—	—	—	—																			
	Dimensions H × W × D (mm)	20.7 × 122 × 89	24 × 92.5 × 184.5	24 × 92.5 × 184.5	19.5 × 82 × 178	24.5 × 90 × 182.5	24.5 × 90 × 182.5	23 × 85.5 × 169	15.1 × 81.5 × 163	12.2 × 80 × 161	8 × 73 × 140																												
	Approximate weight (g)	200	265	260	213	215	215	185	150	105	68			Snap-on hard	Snap-on hard	Integrated hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard																		
	Dot matrix display	64 × 128 dots	64 × 128 dots	48 × 80 dots	31 × 96 dots	5 × 7 dots × 16 digits	—	—																															
	Display capacity (characters)	21 × 8	21 × 8	21 × 8	21 × 8	21 × 8	21 × 8	13 × 6	16	16	10																												
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 (9 + 2)	10 + 2	10 + 2	10 + 2																												
	Icon menus	●	●	●	●	●	●	●	—	—	—																												
	Internal operation digits	15	15	15	15	15	15	15	15	15	12																												
	Parentheses level	26	26	26	26	26	26	26	26	24	18																												
Programming Functions	Program logic	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (Learn)																												
	Memory (bytes)	63,000	63,000	63,000	146,000	61,000	28,000	20,000	28,500	680	29 step																												
	Program areas	Limited to memory capacity	Limited to memory capacity	Limited to memory capacity	Limited to memory capacity	Limited to memory capacity	4	2																															
	Storage memory area (Flash memory)	1.5MB	1.5MB	1.5MB	768KB	—	—	—	128	23	23																												
	Built-in formulas	—	—	—	—	—	—	—	—	—	—																												
Utilities	Natural textbook display	●	●	●	●	—	—	—	—	—	—																												
	Key rollover function	●	●	●	●	●	●	●	●	●	—																												
	Replay function	●	●	●	●	●	●	●	●	●	—																												
	Multi-replay functions	●	●	●	●	●	●	●	●	●	—																												
	Replay copy	—	—	—	—	—	—	—	—	—	—																												
	Backspace	●	●	●	●	—	—	—	—	●	●																												
	CALC function	—	—	—	—	—	—	—	—	—	—																												
	SOLVE function	●	●	●	●	●	●	●	●	●	—																												
	Answer function	●	●	●	●	●	●	●	●	●	—																												
	Variable memory	28	28	28	28	28	28	26	26 – 2398	7	7																												
	Onboard function manual	●	—	—	—	—	—	—	—	—	—																												
	Syntax help	●	—	—	—	—	—	—	—	—	—																												
	Auto power off	●	●	●	●	●	●	●	●	●	●																												
Special Features	Base-n calculations (Binary/Octal/Hexadecimal)	●	●	●	●	●	●	●	●	●	●																												
	Logical operations	●	●	●	●	●	●	●	●	●	●																												
	Complex number calculation	●	●	●	●	●	●	●	●	●	●																												
	Engineering symbol calculations	●	●	●	●	●	●	●	●	●	●																												
	Engineering notations (ENG/ENG)	●	●	●	●	●	●	●	●	●	●																												
	Scientific constants	—	—	—	—	—	—	—	—	40	40	9																											
Basic Functions	Metric conversions	—	—	—	—	—	—	—	—	—	—																												
	Trigonometric, inverse trigonometric (sin/cos/tan/sin ⁻¹ /cos ⁻¹ /tan ⁻¹)	●	●	●	●	●	●	●	●	●	●																												
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/sinh ⁻¹ /cosh ⁻¹ /tanh ⁻¹)	●	●	●	●	●	●	●	●	●	●																												
	Exponential, logarithmic (log, ln, 10 ^x , e ^x)	●	●	●	●	●	●	●	●	●	●																												
	Base specified logarithmic	●	●	●	●	●	●	—	—	—	—																												
	Square and square root (x ² /√)	●	●	●	●	●	●	●	●	●	●																												
	Cubic and cubic root (x ³ /³√)	3√ only	3√ only	3√ only	3√ only	3√ only	3√ only	3√ only	3√ only	3√ only	3√ only																												
	Power and radical root (x ^y /y ^{1/x})	●	●	●	●	●	●	●	●	●	●																												
	Independent key for x ^{3</}																																						

SCIENTIFIC CALCULATORS

Scientific Calculators Specification Table

	Standard Model											
Model	fx-82MS	fx-350MS	fx-85MS	fx-95MS	fx-100MS	fx-115MS	fx-570MS	fx-991MS	fx-820MS	fx-992S	fx-65	fx-901
Specifications	Number of functions	240	240	240	244	300	300	401	401	383	158	150
	Power supply (Main)	AA x 1	LR44 x 1	Two-way power (Solar + LR44 x 1)	AA x 1	AA x 1	Two-way power (Solar + LR44 x 1)	LR44 x 1	Two-way power (Solar + LR44 x 1)			
	Power supply (Backup)	—	—	—	—	—	—	—	—	—	—	—
	Approximate battery life Main (hours)	17,000* ^a / ^b 2 years* ^c	9,000* ^a / ^b 3 years (LR44)* ^c	17,000* ^a / ^b 2 years* ^c	17,000* ^a / ^b 2 years* ^c	3 years (LR44)* ^c	9,000* ^a / ^b 3 years (LR44)* ^c	3 years (LR44)* ^c	3 years (LR44)* ^c	3 years (LR44)* ^c	3 years (LR44)* ^c	3 years (LR44)* ^c
	Approximate battery life Backup (years)	—	—	—	—	—	—	—	—	—	—	—
	Dimensions H × W × D (mm)	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	12.8 × 89 × 173	8.8 × 73 × 144	13.5 × 73 × 144.5	13.5 × 73 × 144.5
	Approximate weight (g)	125	100	100	130	133	105	105	120	74.3	67	67
	Case style	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Hard case	Slide-on hard	Slide-on hard	Slide-on hard
	Dot matrix display	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 12 digits	5 × 6 dots × 4 digits	—	—
	Display capacity (characters)	12	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	12 + 2	10 + 2	10 + 2
	Icon menus	—	—	—	—	—	—	—	—	—	—	—
	Internal operation digits	12	12	12	12	12	12	12	12	14	12	12
	Parentheses level	24	24	24	24	24	24	24	24	18	18	18
	Program logic	—	—	—	—	—	—	—	—	—	—	—
Utilities	Memory (bytes)	—	—	—	—	—	—	—	—	—	—	—
	Program areas	—	—	—	—	—	—	—	—	—	—	—
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	—	—	—	—
	Natural textbook display	—	—	—	—	—	—	—	—	—	—	—
Special Features	Key rollover function	●	●	●	●	●	●	●	●	●	●	●
	Replay function	●	●	●	●	●	●	●	●	—	—	—
	Multi-replay functions	●	●	●	●	●	●	●	●	—	—	—
	Replay copy	—	—	—	—	—	—	—	—	—	—	—
	Backspace	●	●	●	●	●	●	●	●	●	●	●
	CALC function	—	—	—	—	—	—	—	—	—	—	—
	SOLVE function	—	—	—	—	—	—	—	—	—	—	—
	Answer function	●	●	●	●	●	●	●	●	●	—	—
	Variable memory	9	9	9	9	9	9	9	9	7	1	3
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—
Basic Functions	Syntax help	—	—	—	—	—	—	—	—	—	—	—
	Auto power off	●	●	●	●	●	●	●	●	●	●	●
	Base-n calculations (Binary/Octal/Hexadecimal)	—	—	—	—	—	—	—	—	—	—	—
	Logical operations	—	—	—	—	—	—	—	—	—	—	—
	Complex number calculation	—	—	—	—	—	—	—	—	—	—	—
Calculus	Engineering symbol calculations	—	—	—	—	—	—	—	—	—	—	—
	Engineering notations (ENG/ENG)	●	●	●	●	●	●	●	●	●	●	●
	Scientific constants	—	—	—	—	—	—	—	—	—	—	—
	Metric conversions	—	—	—	—	—	—	—	—	—	—	—
	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	—	—	—	—	—	—	—	—	—	—	—
	Square and square root (x ² /√)	●	●	●	●	●	●	●	●	●	●	●
	Cubic and cubic root (x ³ /³√)	●	●	●	●	●	●	●	●	●	●	●
	Power and radical root (x ^y /⁹√)	●	●	●	●	●	●	●	●	●	●	●
	Independent key for x ^y /⁹√	●	●	●	●	●	●	●	●	—	●	●
	Fraction	●	●	●	●	●	●	●	●	●	●	●
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●	●	●
	Rounding	●	●	●	●	●	●	●	●	●	●	●
Geometry	Simplification	—	—	—	—	—	—	—	—	—	—	—
	Integer division	—	—	—	—	—	—	—	—	—	—	—
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●	●	●
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●
Probability	Angle unit conversion (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●	●	●
	Differentiation calculation	—	—	—	—	—	—	—	—	—	—	—
Calculus	Integration calculation	—	—	—	—	—	—	—	—	—	—	—
	Simultaneous equation	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—	—	—
Algebra	Polynomial equation	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—	—	—
	Table function	—	—	—	—	—	—	—	—	—	—	—
Geometry	Matrix calculations	—	—	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●	●	●
Probability	Vector calculations	—	—	—	—	—	—	—	—	—	—	—
	Combination, permutation (nCr, nPr)	●	●	●	●	●	●	●	●	●	●	●
Statistics	Random numbers	●	●	●	●	●	●	●	●	●	●	●
	List-based STAT data editor	●	●	●	●	●	●	●	●	●	●	●
	Standard deviation	●	●	●	●	●	●	●	●	●	●	●
	Regression analysis	●	●	●	●	●	●	●	●	●	●	●
	Linear regression	—	—	—	—	—	—	—	—	—	—	—
	ab Exponential regression	—	—	—								

Check Calculator

DJ-120T 12 DIGITS
DJ-20T 12 DIGITS
MJ-120T 12 DIGITS
MJ-100T 12 DIGITS

DJ-240 12 DIGITS
DJ-220 12 DIGITS

120 Steps CHECK
*100 STEPS · DJ-20T/DJ-120T/MJ-100T/MJ-120T

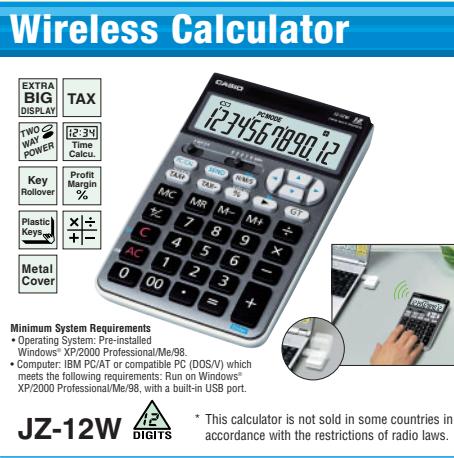
Review and Auto Review

- 120 STEPS CHECK
- Review up to 120 calculation steps.
- Answer Memory (DJ-220 / DJ-240 only)
- Auto Review at the touch of a key!

Correct (all models)
Quick and easy editing of steps!

Double Check (DJ-220 / DJ-240 only)
Compare the results of two calculations!

Insert / Delete (DJ-220 / DJ-240 only)
To add steps to or delete steps from a calculation



Model	Digits	Independent memory	Cost/Sell Margin	GT	%	Profit margin %	✓	+/-	►	3-digit comma markers	H/M/S	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case	Others
DJ-240	14	●	—	●	●	●	●	●	●	—	●	—	●	●	●	0,1,2,3,4	●	Two-way power	35.7x147x203.5	250	—	120 STEPS CHECK	
DJ-220	12	●	—	●	●	●	●	●	●	—	●	—	●	●	●	0,1,2,3,4	●	Two-way power	35.7x147x203.5	250	—	120 STEPS CHECK	
DJ-120T	12	●	—	●	●	—	●	●	●	—	●	—	●	●	●	0,1,2,3,4	●	Two-way power	35x140x191	205	—	100 STEPS CHECK	
DJ-20T	12	●	—	●	●	—	●	●	●	—	●	—	●	●	●	0,1,2,3,4	●	Two-way power	35x123.5x165.5	150	—	100 STEPS CHECK	
MJ-120T	12	●	—	●	●	—	●	●	●	—	●	—	●	—	—	—	—	—	—	—	—	—	100 STEPS CHECK
MJ-100T	10	●	—	●	●	—	●	●	●	—	●	—	●	—	—	—	—	—	—	—	—	—	100 STEPS CHECK
MC-100	8	●	—	—	●	●	—	—	—	●	—	—	—	—	—	—	—	—	Two-way power	6.1x70x117	42	—	Wallet Metric conversion
JZ-12W	12	●	—	●	●	●	●	●	●	●	●	—	●	●	0,1,2,3,4	●	Two-way power	35x110x176.5	225	—	—	USB receiver	
WD-220T	12	●	—	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—	Two-way power	34x139x187.5	255	—	—
WM-220T	12	●	—	●	●	●	●	●	●	●	—	—	—	—	—	—	—	—	Two-way power	34.6x104x153.5	135	—	—
WM-200T	10	●	—	—	●	●	●	●	●	●	—	—	—	—	—	—	—	—	Two-way power	34.6x104x153.5	135	—	—
DF-320TM	12	●	●	●	●	●	●	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	32.3x124x179.5	200	—	—	
MS-310TM	10	●	—	●	●	●	●	●	●	●	—	—	●	●	●	0,1,2,3,4	●	Two-way power	30x103x156	120	—	—	

* Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.
* IBM PC/AT is a registered trademark of International Business Machines Corporation.

PRACTICAL CALCULATORS

Desk Top Type

Professional Calculator

DS-3V 12 DIGITS

DS-2TV 12 DIGITS

DS-1TV 10 DIGITS

DS-20TV 12 DIGITS

DS-10TV 10 DIGITS

DS-20TV 12 DIGITS

Adding Machine

DF-320TM 12 DIGITS

DS-120TV 12 DIGITS

DM-1200T 12 DIGITS

DM-1600TV 16 DIGITS

D-60L 16 DIGITS

D-40L 14 DIGITS

D-20L 12 DIGITS

MS-310TM 10 DIGITS

DM-1400TV 14 DIGITS

DM-1200TM 12 DIGITS

D-60L 16 DIGITS

D-40L 14 DIGITS

D-20L 12 DIGITS

Model	Digits	Adding machine	Independent memory	Cost/Sell Margin	GT	%	Profit margin %	MU	MD	✓	+/-	►	3-digit comma markers	H/M/S	Tax calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	
DS-3V	14	—	●	—	●	●	●	—	—	●	●	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	47.8x148x186	290
DS-2TV	12	—	●	—	●	●	●	—	—	●	●	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	47.8x148x186	290
DS-1TV	10	—	—	●	—	●	●	●	●	—	—	—	—	—	—	—	●	●	●	0,1,2,3,4	●	Two-way power	47.8x148x186	290
DS-20TV	12	—	—	●	—	●	●	●	●	—	—	●	●	●	●	—	●	●	●	0,1,2,3,4,5	●	Two-way power	34.8x135x188	275
DS-10TV	10	—	—	●	—	●	●	●	●	—	—	●	●	●	●	—	●	●	●	0,1,2,3,4,5	●	Two-way power	34.8x135x188	275
DS-120TV	12	●	●	—	●	●	●	●	●	—	—	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	40.9x184x186	300
DM-1200T	12	—	●	—	●	●	●	●	●	—	—	●	●	●	●	—	●	●	●	0,1,2,3,4	●	Two-way power	34.5x155x210	230
DM-1600TV	16	—	●	—	●	●	●	—	—	●	●	●	●	●	●	—	●	●	●	0,1,2,4	●	Two-way power	35.5x155x210	270
DM-1400TV	14	—	●	—	●	●	●	—	—	●	●	●	●	●	●	—	●	●	●	0,1,2,4	●	Two-way power	35.5x155x210	270
DM-1200TM	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

Desk Top Type



The degree of display can be adjusted freely.

Easily figure cost, selling price and margin.

DM-1200TM / DF-120TM / JF-120TM
MS-120TM / MS100TM

COST **SELL** **MAR**

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.

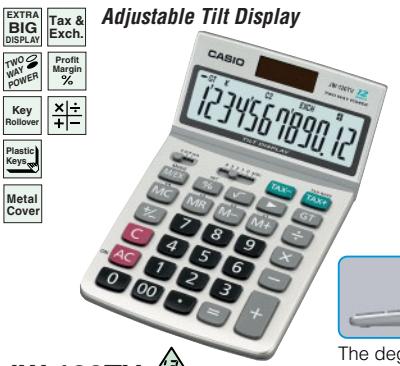
Selling Price
What would the selling price be for an item that costs \$120 after a 40% margin is added?

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.

Compact Desk Type



The degree of display can be adjusted freely.

Adjustable Tilt Display



The degree of display can be adjusted freely.

Adjustable Tilt Display

Mini Desk Type



NEW

MS-120TM
MS-100TM



MS-80TV

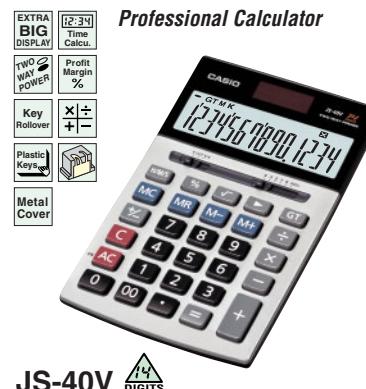
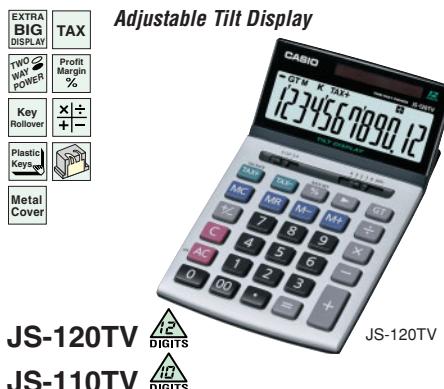
MS-20TV

MS-8TV

Compact Desk Type

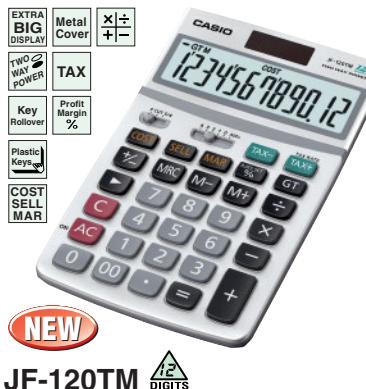
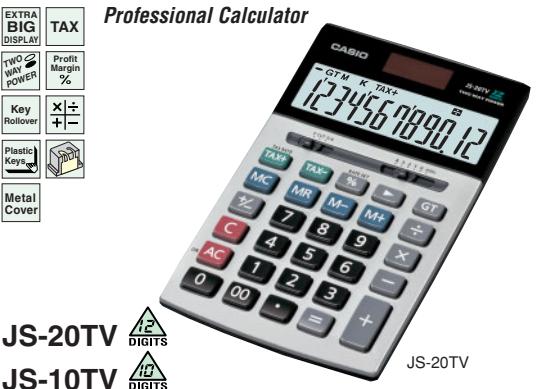


The degree of display can be adjusted freely.



Adjustable Tilt Display

Adjustable Tilt Display



NEW

Independent memory

Model	Digits	Independent memory	Cost/Sell/ Margin	GT	%	Profit margin %	✓	+/-	3-digit comma markers	H/M/S	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)
D-120TV	12	●	—	●	●	●	—	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	35x126x175	170		
DF-120TM	12	●	●	●	●	●	—	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	35.7x122.5x174.5	180		
DW-120TV	12	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	32.7x122.5x177.5	195		
JS-140V	14	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.6x107x176.5	180		
JS-120TV	12	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.6x107x176.5	180		
JS-110TV	10	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.6x107x176.5	180		
JS-40V	14	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.2x107x174.5	195		
JS-20TV	12	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.2x107x174.5	195		
JS-10TV	10	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	24.2x107x174.5	195		
J-120TV	12	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	25x107x176	145		
JF-120TM	12	●	—	●	●	●	●	●	●	—	●	●	—	0,1,2,3,4	●	Two-way power	26.3x107x173	155		



BK (Black)

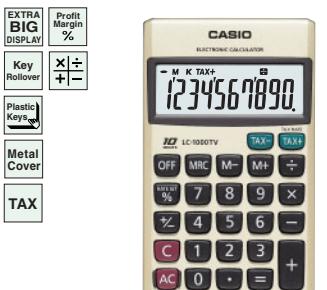
WE (White)



NS-20T 10 DIGITS

Model	Digits	Independent memory	Cost/Sell/ Margin	GT	%	Profit margin %	✓	+/-	3-digit comma markers	H/M/S	Tax calculation	Exchange calculation	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Approximate battery life (years)	Dimensions H×W×D (mm)	Approximate weight (g)		
JW-120TV	12	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	26.1x107x178.5	170
MS-470V	14	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.4x111x142.5	125
MS-120TM	12	●	—	●	—	●	●	—	●	●	—	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.7x103x145	120
MS-100TM	10	●	—	●	—	●	●	—	●	●	—	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.7x103x145	120
MS-80TV	8	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.7x103x145	120
MS-20TV	12	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	31.7x103x145	100
MS-10TV	10	●	—	—	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	31.7x103x145	100
MS-270TV	12	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.4x111x142.5	125
MS-170TV	10	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.4x111x142.5	125
MS-7TV	8	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	30.4x111x142.5	120
MW-8V	8	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	28.8x103x145	120
MW-5V	8	●	—	●	●	●	●	●	●	●	●	●	—	●	●	●	●	0,1,2,3,4	●	Two-way power	—	AAx1 (R6Px1	

Portable Type



LC-1000TV 12 DIGITS

LC-401LV 8 DIGITS



LC-403TV 8 DIGITS

LC-160LV 8 DIGITS

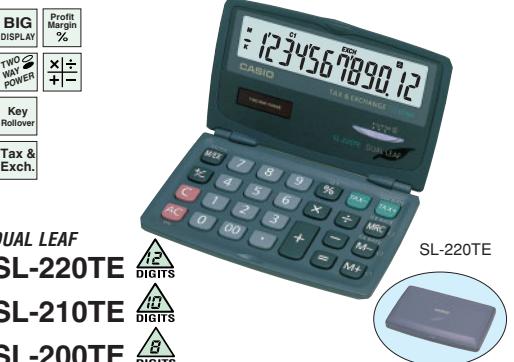


SL-340VA 12 DIGITS

SL-320TV 12 DIGITS

SL-320TV 12 DIGITS

SL-300TV 8 DIGITS



DUAL LEAF
SL-240LB 14 DIGITS

SL-220TE 12 DIGITS

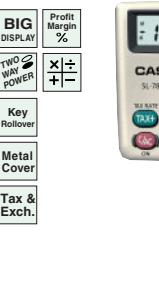
SL-220TE 12 DIGITS

Model	Digits	Independent memory	GT	%	Profit margin %	<input checked="" type="checkbox"/>	+/-	<input checked="" type="checkbox"/>	3-digit comma markers	H/M/S	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	5,500	7.0x70x118.5	50	Wallet
LC-401LV	8	●	—	●	●	—	●	●	—	●	—	—	—	—	—	LR54x1	4,500	①0.7x75x120 ②7.3x151.5x120	70	Hard
LC-403TV	8	●	—	●	●	—	●	—	—	—	●	—	—	—	—	LR54x1	7,500	7.5x70x118.5	50	Wallet
LC-160LV	8	●	—	●	—	●	—	—	●	—	—	—	—	—	—	LR54x1	6,500	①0.8x87x58 ②8x87x117.5	35	Hard
SL-340VA	14	●	—	●	●	●	●	●	●	●	—	—	—	—	—	Two-way power	—	7.5x70x118.5	50	Wallet
SL-320TV	12	●	—	●	●	●	●	●	●	●	—	—	—	—	—	Two-way power	—	7.5x70x118.5	50	Wallet
SL-315TV	10	●	—	●	●	—	●	●	●	●	—	—	—	—	—	Two-way power	—	7.5x70x118.5	50	Wallet
SL-300TV	8	●	—	●	●	—	●	—	—	●	—	—	—	—	—	Two-way power	—	7.5x70x118.5	50	Wallet
SL-300LV	8	●	—	●	—	●	●	—	●	—	—	—	—	—	—	Two-way power	—	7.5x70x118.5	50	Wallet
SL-240LB	14	●	—	●	●	●	●	●	●	●	—	—	—	—	—	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-220TE	12	●	—	●	●	—	●	—	●	—	●	●	●	2	2	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-210TE	10	●	—	●	●	—	●	—	●	—	●	●	●	2	2	Two-way power	—	①12.5x120x73 ②6.5x120x141	75.5	—
SL-200TE	8	●	—	●	●	—	●	—	●	—	●	●	●	—	—	Two-way power	—	①12.5x120x73 ②6.5x120x141	76	—
SL-100L	8	●	—	●	●	—	●	—	●	—	—	—	—	—	—	Two-way power	—	①9.4x91x110.5	55	—

LR54=LR1130

①Folded ②Unfolded

Portable Type



SL-797TV 8 DIGITS

SL-787TV 8 DIGITS

GD (Gold)



HL-122TV 12 DIGITS

HL-100LB 8 DIGITS

HL-820VA 8 DIGITS



HL-820LV 8 DIGITS

HL-815L 8 DIGITS

HS-8VA 8 DIGITS



HL-4 8 DIGITS

HS-8VA 8 DIGITS

HS-8LV 8 DIGITS

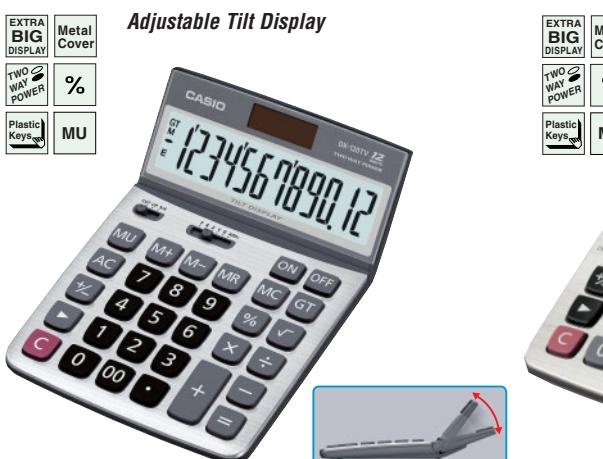
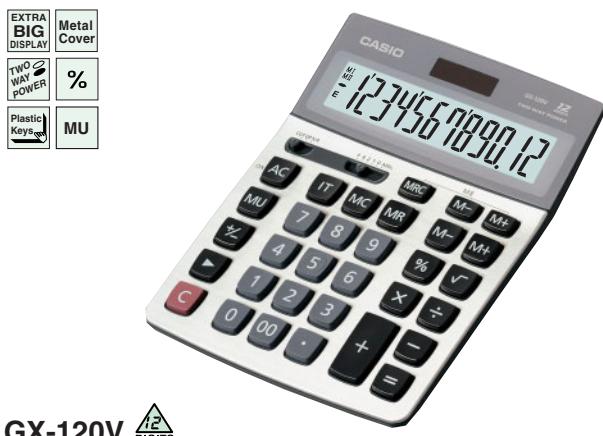
Model	Digits	Independent memory	GT	%	Profit margin %	Mark-up	<input checked="" type="checkbox"/>	+/-	<input checked="" type="checkbox"/>	3-digit comma markers	Tax calculation	Exchange calculation	5/4	Cut	Decimal selector	Power supply	Approximate battery life (hours)	Dimensions H×W×D (mm)	Approximate weight (g)	Case
SL-797TV	8	●	—	●	●	—	—	—	●	●	●	●	—	—	—	Two-way power	—	6.9x57x102	35	Wallet
SL-787TV	8	●	—	●	●	—	—	—	●	●	●	●	—	—	—	Two-way power	—	6.3x91.5x58	30	Wallet
SL-760LB	8	●	—	●	●	—	●	—	●	●	●	●	—	—	—	Solar	—	2.9x85.5x54	15	Soft
HL-122TV	12	●	●	●	●	—	●	—	●	●	●	●	—	●	●	LR6x1(R6Px1)	17,500	19.5x77x141	115	Soft
HL-100LB	10	●	—	●	●	—	●	—	●	●	●	●	—	—	—	LR6x1(R6Px1)	2 yrs.	18x69.5x118	65	—
HL-820VA	8	●	—	●	●	—	●	—	●	●	●	●	—	—	—	LR54x1	2 yrs.	6.9x57x102	35	Wallet
HL-820LV	8	●	—	●	●	—	●	—	●	●	●	●	—	—	—	LR54x1	6,500	①10x62.5x104 ②7.5x127x104	45	Hard
HL-815L	8	●	—	●	●	—	●	—	●	●	●	●	—	—	—	LR6x1(R6Px1)	2 yrs.	18x69.5x118	65	—
HL-4	8	●	—	●	●	—	●	—	●	●	●	●	—	—	—	LR54x1	6,500	8.8x56x87	25	—
HS-8VA	8	●	—	●	●	—	●	●	●	●	●	●	—	—	—	Two-way power	—	6.9x57x102	35	Wallet
HS-8LV	8	●	—	●	●	—	●	●	●	●	●	●	—	—	—	Two-way power	—	6.7x57x102	35	Wallet

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

PRACTICAL CALCULATORS

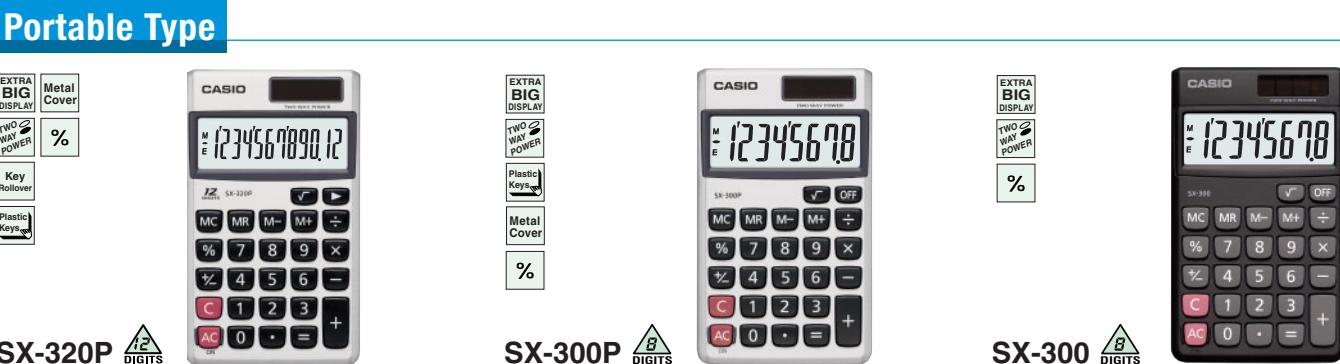
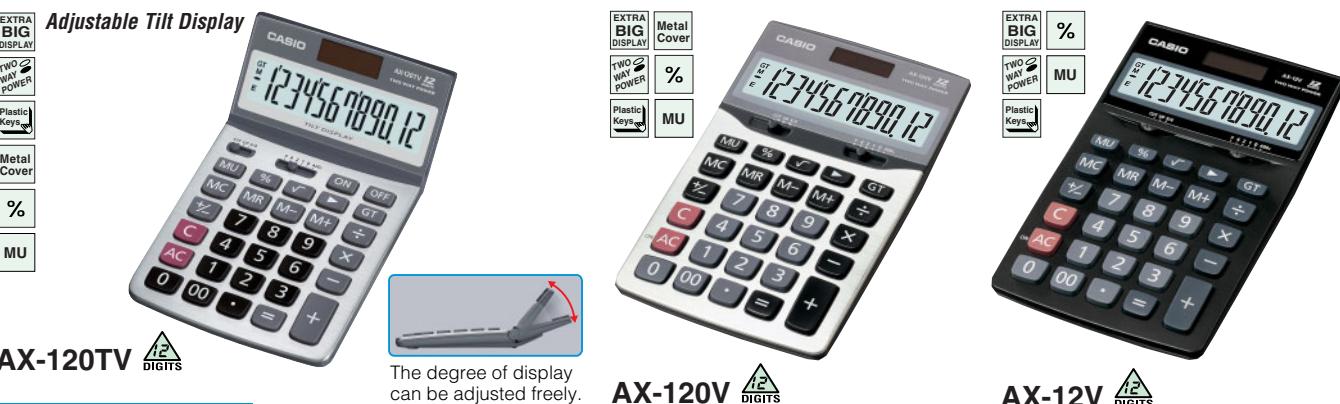
Value Series

Desk Top Type



Model	Digits	Independent memory	GT	%	Mark-up	✓	+/-	☒	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-16V	16	●	—	●	●	●	●	●	—	●	●	●	●	0,1,2,4	●	Two-way power	34.5×155×210	230
GX-14V	14	●	—	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	34.5×155×210	230
GX-120V	12	●	—	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	35.5×155×210	260
GX-12V	12	●	—	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	34.5×155×210	230
DX-120TV	12	●	●	●	●	●	●	●	●	—	●	●	●	0,1,2,4	●	Two-way power	32.7×122.5×177.5	195
DX-120V	12	●	●	●	●	●	●	●	●	—	●	●	●	0,1,2,4	●	Two-way power	36×126×175	190
DX-12V	12	●	●	●	●	●	●	●	●	—	●	●	●	0,1,2,4	●	Two-way power	35×126×175	170

Compact Desk Type



Model	Digits	Independent memory	GT	%	Mark-up	✓	+/-	☒	3-digit comma markers	5/4	Cut	Up	Decimal selector	ADD mode	Power supply	Dimensions H×W×D (mm)	Approximate weight (g)	Case	
AX-120TV	12	●	●	●	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	26.1×107×178.5	170
AX-120V	12	●	●	●	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	29.3×107×175.5	165
AX-12V	12	●	●	●	●	●	●	●	●	●	●	●	●	●	0,1,2,4	●	Two-way power	25×107×176	145
MX-120V	12	●	—	●	●	●	—	●	●	●	●	●	●	—	—	—	—	120	
MX-12V	12	●	—	●	●	●	—	●	●	●	●	●	●	—	—	—	—	100	
MX-8V	8	●	—	●	●	●	●	●	●	—	●	●	●	—	—	—	—	100	
SX-320P	12	●	—	●	—	●	●	●	●	—	●	●	●	—	—	—	—	50	
SX-300P	8	●	—	●	—	●	●	●	—	●	●	●	—	—	—	—	—	50	
SX-300	8	●	—	●	—	●	●	●	—	●	●	●	—	—	—	—	—	50	
SX-220	12	●	●	●	●	●	●	●	●	—	●	●	●	—	—	—	—	80	
SX-100	8	●	—	●	●	●	●	●	—	●	●	●	—	—	—	—	—	55	

(Folded) (Unfolded)

FUNCTION SYMBOLS

Scientific Calculator / Financial Consultant

763 FUNCTIONS	Number of functions
NATURAL TEXTBOOK	Natural textbook display Display expression same as textbook.
S.V.P.A.M.	Super Visually Perfect Algebraic Method The CASIO S.V.P.A.M. series was developed with the mathematics classroom in mind. It gives you all the features of the existing V.P.A.M. series plus a new 2-line display and a useful Replay function. All this helps to make mathematics easier to use and easier to understand than ever before.
V.P.A.M.	V.P.A.M. (Visually Perfect Algebraic Method) V.P.A.M. models let you input calculations exactly as they are written. Calculation status symbols and intermediate display capabilities help make calculations easier.
TWO WAY POWER	Two-way power (Solar + Battery) Solar powered in sunlight, battery powered when lighting is low.

STAT-data	STAT-data editor Back-step viewing and editing of input data.
Multireplay	Multi-replay Quick and easy recall of previously executed formulas for editing and re-execution.
10+2 DIGITS	10 + 2 digits 10-digit mantissa + 2-digit exponential display.
COLOUR LCD	Colour display Data is shown in three colours for quick and easy comprehension.
ICON MENU	Icon menu Specify the operation you want to perform by selecting an icon or inputting a number.
DOT MATRIX	Dot matrix display High-resolution screen provides beautiful looking graphs every time.
TWO WAY POWER	Function command signs A symbol (+, -, ×, ÷) on the display indicates the type of operation you are currently performing.

Practical Calculator / Printing Calculator

EXTRA BIG DISPLAY	Extra big display Larger display makes more data easier to read.
BIG DISPLAY	BIG display Big, easy-to-read display.
BEST VIEW	Best view Larger display characters are easier on the eyes, taking some of the fatigue out of your work.
TWO WAY POWER	Two-way power (Solar + Battery) Solar powered in sunlight, battery powered when lighting is low.
SUPER SOLAR	Super solar Solar cell powers calculations even when lighting is relatively dim.
Key Rollover	Key rollover Key operations are stored in a buffer, so nothing is lost even during high-speed input.
Plastic keys	Plastic keys Designed and engineered for easy operation.
Metal Cover	Durable metal cover Tough cover stands up to rough treatment.
COST SELL/MARGIN	Cost/Sell/Margin Lets you calculate the cost, selling price, or margin of profit on an item, given the other two values.

TAX & EXCH.	Tax & exchange function Tax calculation and currency conversion functions.
TAX	Super command signs Big, easy-to-read command signs show your current operation at a glance.
120 STEPS CHECK	Function command signs A symbol (+, -, ×, ÷) on the display indicates the type of operation you are currently performing.
LINE PRINT	Clock & Calendar Printing the current time and date.
2 COLOUR PRINT	120 steps check Displays up to 120 previous calculation steps.
3.5 LINES/SEC.	Line printing Line printing for higher speed, superior print quality, and quieter operation.
MU MD	2-colour printing Positive values are shown in black, and negative values are shown in red for easy checking.
MU	3.5 line-per-second printing The value indicates the number of lines printed per second.
MD	Heavy-duty durable keys Keys are produced by injecting plastic of two different colours. Key markings are plastic, which means they do not wear or fade with use.

MODEL INDEX

Red numbers indicate new models.

Model	Page	Model	Page	Model	Page	Model	Page	Model	Page
A ALGEBRA FX 2.0 PLUS.....4	4	E EA-2.....8	8	GX-14V.....19	19	LC-401LV-BK.....17	17	R RM-ALGEBRA FX 2.0 SET....8	8
AX-12V.....20	20	EA-200.....8	8	GX-16V.....19	19	LC-401LV-WE.....17	17	RM-7000 SET.....8	8
AX-120TV.....20	20	GX-120V.....19	19	LC-403TV [B].....17	17	LC-1000TV.....17	17	RM-9000 SET.....8	8
C CFX-9850GC PLUS.....4	4	F FA-123USB.....8	8	HL-4 [B].....18	18	M MC-100.....13	13	S SF-2500.....22	22
ClassPad 330.....1	1	FA-9860A Ver. 1.1.....8	8	HL-100LB.....18	18	MJ-100T.....13	13	SF-3990.....22	22
D D-20L [B].....14	14	FA-CP300A/B Ver. 3.0.....8	8	HL-122TV.....18	18	MJ-120T.....13	13	SL-100L [B].....17	17
D-40L.....14	14	FC-100V.....5	5	HL-815L-BK [B].....18	18	MS-5VC-BU [B].....12	12	SL-100VC-BU [B].....12	12
D-60L.....14	14	FR-2650T.....21	21	HL-815L-WE [B].....18	18	MS-5VC-GN [B].....12	12	SL-100VC-OE [B].....12	12
D-120TV [B].....15	15	fx-50F PLUS.....5	5	HL-820LV-BK.....18	18	MS-5VC-PN [B].....12	12	SL-200TE [B].....17	17
DF-120TM [B].....15	15	fx-55F.....5	5	HL-820VA [B].....18	18	MS-7TV [B].....16	16	SL-210TE [B].....17	17
DF-320TM [B].....13	13	fx-65.....7	7	HL-87TM-BK.....21	21	MS-8TV [B].....16	16	SL-220TE [B].....17	17
DJ-20T.....13	13	fx-82ES [B].....6	6	HL-87TM-CY.....21	21	MS-10TV [B].....16	16	SL-240LB.....17	17
DJ-120T.....13	13	fx-82MS [B].....7	7	HR-100TM.....21	21	MS-10VC-BU [B].....12	12	SL-300LV.....17	17
DJ-220.....13	13	fx-85ES [B].....6	6	HR-150TM.....21	21	MS-10VC-GN [B].....12	12	SL-300TV [B].....17	17
DJ-240.....13	13	fx-85MS [B].....7	7	HS-8LV-BK [B].....18	18	MS-10VC-OE [B].....12	12	SL-315TV.....17	17
DM-1200T.....14	14	fx-95MS [B].....7	7	HS-8LV-WE [B].....18	18	MS-10VC-RD [B].....12	12	SL-320TV.....17	17
DM-1200TM.....14	14	fx-100MS.....7	7	HS-8VA [B].....18	18	MS-20TV [B].....16	16	SL-340VA.....17	17
DM-1200TV.....14	14	fx-115MS.....7	7	HS-8VA.....18	18	MS-80TV [B].....16	16	SL-450L [B].....5	5
DM-1400TV.....14	14	fx-350ES [B].....6	6	J-120TV [B].....15	15	MS-100TM.....16	16	SL-760LB-BK.....18	18
DM-1600TV.....14	14	fx-350MS [B].....7	7	JF-120TM [B].....15	15	MS-120TM.....16	16	SL-760LB-GD.....18	18
DR-120TM-BK.....21	21	fx-500ES [B].....6	6	JF-200TV-BK [B].....12	12	MS-170TV.....16	16	SL-787TV-BK [B].....18	18
DR-120TM-WE.....21	21	fx-570ES [B].....6	6	JF-200TV-BU [B].....12	12	MS-270TV.....16	16	SL-787TV-GD [B].....18	18
DR-140TM.....21	21	fx-570MS [B].....7	7	JF-200TV-RD [B].....12	12	MS-470V.....16	16	SL-797TV-BK [B].....18	18
DR-210TM.....21	21	fx-820MS.....7	7	JS-10TV.....15	15	MW-5V-BK.....16	16	SL-1000TV-BK [B].....12	12
DR-240TM.....21	21	fx-820MS.....7	7	JS-10TV.....15	15	MW-5V-WE.....16	16	SL-1000TV-BU [B].....12	12
DR-210T.....22	22	fx-991ES [B].....6	6	JS-110TV.....15	15	MW-8V-BK.....16	16	SL-1000TV-RD [B].....12	12
DR-T140.....22	22	fx-991MS [B].....7	7	JS-120TV.....15	15	MW-8V-WE.....16	16	SX-100.....20	20
DR-T220.....22	22	fx-992S.....7	7	JS-140V.....15	15	MX-8V.....20	20	SX-220.....20	20
DS-1TV.....14	14	fx-3650P.....5	5	JW-120TV.....16	16	MX-12V [B].....20	20	SX-300.....20	20
DS-2TV.....14	14	fx-3950P.....5	5	JZ-12W [B].....13	13	MX-12V-BK [B].....20	20	SX-320P.....20	20
DS-3V.....14	14	fx-4500P.....5	5	KL-60.....16	16	NS-10T.....16	16		
DS-10TV.....14	14	fx-7400G PLUS.....4	4	KL-60SR.....23	23	NS-20T.....16	16	WD-220T [B].....13	13
DS-20TV.....14	14	fx-9750G PLUS.....4	4	KL-780.....23	23	OH-ClassPad 330 SET.....8	8	WM-200T [B].....13	13
DS-120TV.....14	14	fx-9860G SD.....3	3			OH-300ES.....8	8	WM-220T [B].....13	13
DW-120TV.....15	15	fx-9860G Slim.....3	3			OH-300MS.....8	8		
DX-12V [B].....19	19					OH-9860.....8	8		
DX-120TV.....19	19								
DX-120V.....19	19								

[B] indicates that blister pack is also available.

SALES PROMOTION MATERIALS, NEWSPAPER/MAGAZINE ADVERTISEMENT AND ACTIVITIES

SALES PROMOTION MATERIALS

Display Tool Kit for Practical Calculators NEW	The calculator units themselves are not included in the kit.
Display Tool Kit for Scientific Calculators ES Series	<ul style="list-style-type: none"> • Poster x 2 • Panel x 1 • Stuffer (with box) x 100 pcs/box • Banner x 1 • POP product advertisement x 5 • Card for sales staff explanations x 1

||
||
||