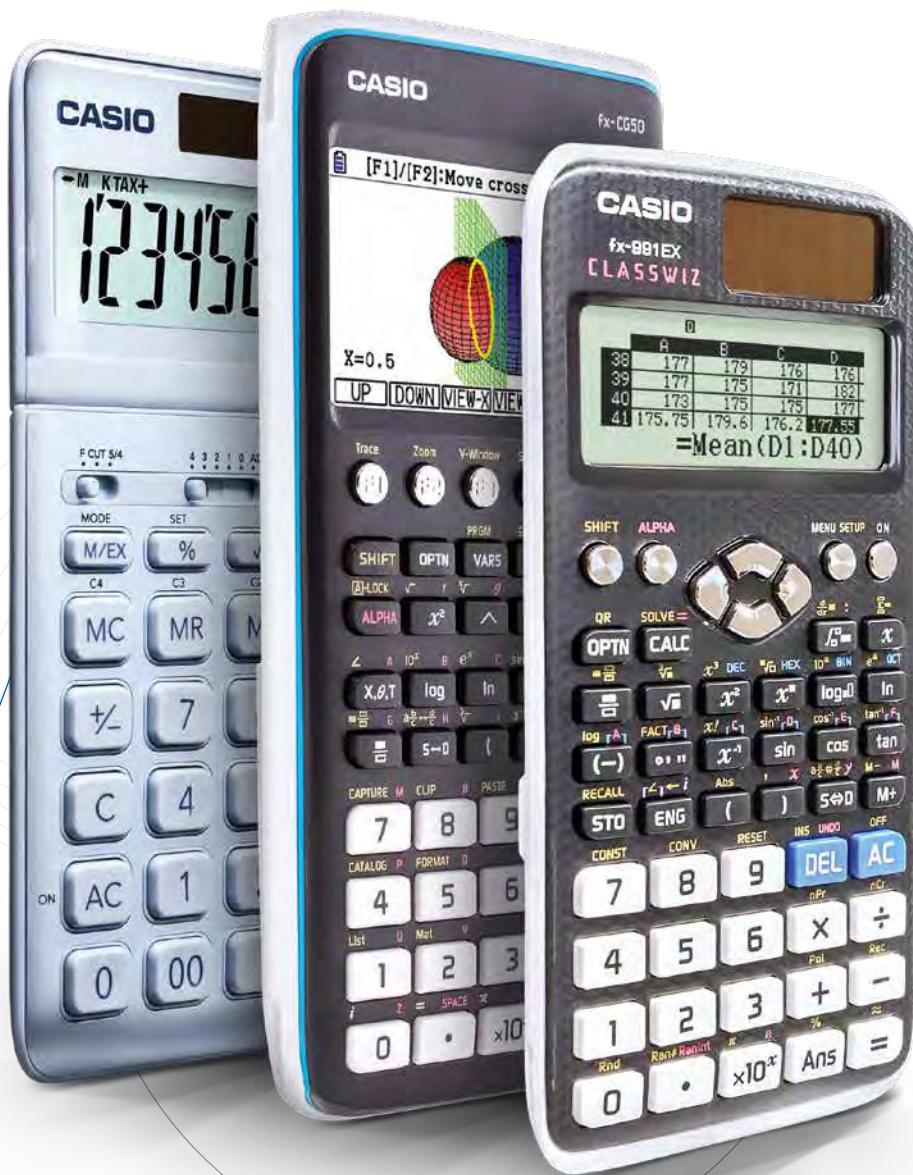


CASIO[®]

Reliable & Durable

General Catalogue

Office & School Solutions 2022



Meetings & Travelling

Business & Office

School & University



CASIO EXPERTISE

Digitalisation opens up many new possibilities for teachers to provide lively and motivating instruction. CASIO helps them tap the full potential of digitalisation with a wide range of digital products.



```
equ3.py 001/007
x=int(input("x="))
if x>=0:
    x=x
else:
    x=-x
print("y=",x)
FILE J RUN SYMBOL C
>>>from equ3 import *
x=2
y= 2
* SHELL Initialized *
>>>from equ3 import *
x=-2
y= 2
RUN A=> CHAR
```

Python³ is a programming language used in the development of Internet search engines, etc. It is a learning tool that cultivates algorithmic thinking.



The **C-Lab data acquisition system** from CMA can be combined with different sensors, enabling numerous scientific experiments to be carried out.



School calculators from CASIO



The **CASIO EDU+** app¹ serves to transfer data to a smartphone or tablet via a QR code². This enables graphs, diagrams or operating instructions to be displayed quickly.



Using **software with the same user interface** as school and graphing calculators, the entire class can understand mathematical logic on interactive blackboards.

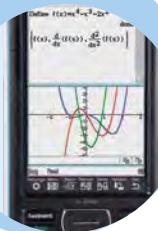


Tutorials and webinars provide teachers with online support and suggestions.

¹For technical and scientific calculators from the ClassWiz series.

²QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.

³Built in the FX-CG50. Python is a registered trademark of the Python Software Foundation. Python mode supports a version of MicroPython Version 1.9.4, which has been adapted to run on this calculator. There are functions, commands, modules and libraries of MicroPython which are not available on the calculator.

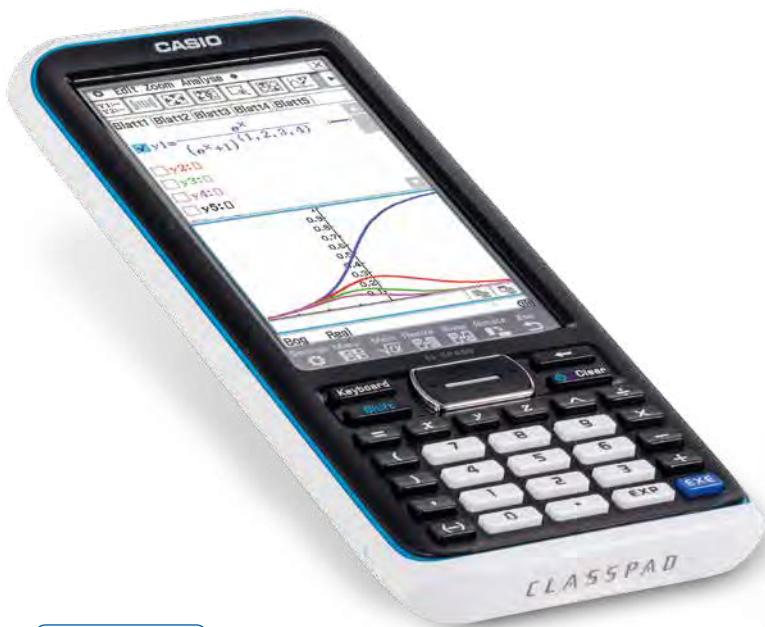
**School calculators**

4 | 15

**Office calculators**

16 | 27

SCHOOL CALCULATORS



ClassPad II

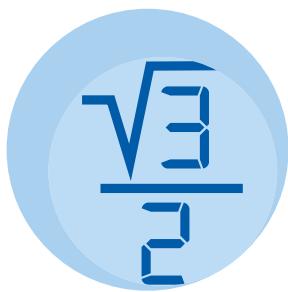


FX-991EX

CLASSPAD

CLASSWIZ

FROM CLASSROOM CLASSICS UP TO THE COMPUTER ALGEBRA SYSTEM



Scientific calculators

No classroom would be complete without the technical-scientific calculators from CASIO. Their uncluttered design, logical key assignment and clear layout make classic calculators indispensable companions in mathematics lessons. This reputation is maintained by CASIO's ongoing development of these school calculators.



Graphic calculators with/without CAS

Innovative functions and intuitive operation make CASIO graphic calculators an indispensable tool for practical mathematics' teaching in the classroom. The immediate visualisation of results in graphs, lists, tables or diagrams clearly illustrates the calculation of mathematical tasks.

CAS stands for the Computer Algebra System that is integrated into some of today's graphic calculators. In addition to conventional alphanumeric readouts, CAS calculators also allow you to perform symbolic calculations and even operations with symbolic expressions such as variables, functions and matrices.

The ClassWiz series with high-resolution display

- High-resolution LC display with 192x63 pixels
- Natural-V.P.A.M.⁴
- 274 functions
- Icon menu
- Value tables
- Two-Dimensional statistic
- Prime factorisation
- Random integers



• Battery

FX-85EX

FX-350EX

• Battery

- High-resolution LC display with 192x63 pixels
- Natural-V.P.A.M.⁴
- 552 functions
- Icon menu
- Spreadsheet
- QR Code⁵ function
- Solving equations and systems of up to four equations
- 4x4 matrices
- Vector calculations
- Integration calculations/ Differential calculations
- Probability distribution
- Calculation with technical symbols
- Solar/battery power



FX-991EX

• Two-way power

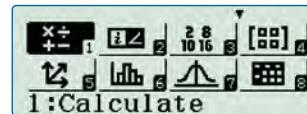
Spreadsheet

| A | B | C | D |
|---|---|----|----|
| 1 | 1 | 1 | 3 |
| 2 | 2 | 4 | 8 |
| 3 | 3 | 9 | 27 |
| 4 | 4 | 16 | 81 |

=RanInt#(1;6)

Spreadsheet commands include sum calculation, product calculation, mean, maximum and minimum.

Icon menu



By using an icon menu, mathematical applications can be easily selected.

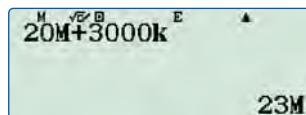
Value tables

| x | f(x) | g(x) |
|---|------|--------|
| 1 | 1 | 1 |
| 2 | 2 | 4,4142 |
| 3 | 3 | 9,1732 |
| 4 | 4 | 16 |

1

New editing options improve working with look-up tables. Further values can thus be added manually or generated automatically at a key stroke.

Calculating with technical units



The high-resolution display allows using and calculating with technical symbols.

Variable memory

| | |
|--------------|---------------|
| A=f(2) | B=355,113 |
| C=1,55377397 | D=20996011 |
| E=2,71828182 | F=0,69314718 |
| M=1,137 | x=-3,14159265 |

Clear display and easy selection of stored variables.

Systems of equations

Simul Equation
Number of
Unknowns?
Select 2~4

| | | | |
|---|------|------|----|
| 1 | x + | 2y + | 4z |
| 2 | 3x + | 4y + | 2z |
| 3 | 4x + | 1y + | 2z |
| 4 | 3x + | 2y + | 3z |

3

QR Code⁵ function

The QR Codes⁵ make it possible to visualise the results of the technical-scientific calculator on your smartphone or tablet. Via CASIO Web Service operational aids, graphs, charts, diagrams and tables for the collected data can be displayed.



Scan the QR Code⁵ with a smartphone.

Display tables,
diagrams or graphs.

ClassWiz Emulator (Subscription)

The software (Subscription licence) has the identical basic functionality as the popular school calculators of the ClassWiz series. The software is available at edu.casio.com

Licence options (1 & 3 years):
Standalone Licence [Single Licence / 10 Licences / 30 Licences / 100 Licences]

If you would like to allow multiple users to use a single account, check the network licence information at edu.casio.com



The FX-ES Plus series with natural textbook display

- Natural-V.P.A.M.⁴
- Dot matrix display
- 16 and 10+2 digits
- 252 functions
- Trigonometric functions
- 9 variable memories
- Two-Dimensional statistics
- Regression analysis
- Replay function
- Automatic fraction calculation
- Table function
- Prime factorisation
- Random integers
- Large cursor key for editing



**FX-82ES Plus
2nd edition**

• Battery

**FX-85ES Plus
2nd edition**

• Two-way power

**FX-350ES Plus
2nd edition**

• Battery

- Natural-V.P.A.M.⁴
- Dot matrix display
- 16 and 10+2 digits
- 417 functions
- Equation solver
- 40 metric conversions
- Calculation with complex numbers
- 40 physical constants
- Matrix/Vector calculation
- Numerical integral and differential calculus
- Random integers



**FX-570ES Plus
2nd edition**

• Battery

**FX-991ES Plus
2nd edition**

• Two-way power

FX-ES Plus Emulator

The software has the identical basic functionality as the popular school calculators of the FX-ES Plus series. The software is available at edu.casio.com

Licence options (1 & 3 years):
Standalone Licence [Single Licence / 10 Licences / 30 Licences / 100 Licences]

If you would like to allow multiple users to use a single account, check the network licence information at edu.casio.com



Case in carbon design

For the technical-scientific calculators CASIO offers a robust case in a carbon design.



| Functions | FX-82ES Plus 2 nd ed. | FX-85ES Plus 2 nd ed. | FX-350ES Plus 2 nd ed. | FX-570ES Plus 2 nd ed. | FX-991ES Plus 2 nd ed. | FX-82EX | FX-85EX | FX-350EX | FX-991EX |
|---|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Display type | 31 * 96 FULL DOT | 31 * 96 FULL DOT | 31 * 96 FULL DOT | 31 * 96 FULL DOT | 31 * 96 FULL DOT | 63 * 192 FULL DOT | 63 * 192 FULL DOT | 63 * 192 FULL DOT | 63 * 192 FULL DOT |
| Natural display | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ | Natural-V.P.A.M. ⁴ |
| No. of figures/lines | 16/1 + 10/1 | 16/1 + 10/1 | 16/1 + 10/1 | 16/1 + 10/1 | 16/1 + 10/1 | 17/1 + 10/1 | 17/1 + 10/1 | 17/1 + 10/1 | 17/1 + 10/1 |
| Display of mantissa exponent | 10+2 | 10+2 | 10+2 | 10+2 | 10+2 | 10+2 | 10+2 | 10+2 | 10+2 |
| Replay function | • | • | • | • | • | • | • | • | • |
| Functions | 252 | 252 | 252 | 417 | 417 | 274 | 274 | 274 | 552 |
| Scientific constants | - | - | - | 40 | 40 | 47 | 47 | 47 | 47 |
| Metric conversions | - | - | - | 40 | 40 | - | - | - | 40 |
| Variables memory | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| No. of storable programs | - | - | - | Calc/Solv key | Calc/Solv key | - | - | - | Calc/Solv key |
| Parenthesis levels | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Fractional arithmetic | • | • | • | • | • | • | • | • | • |
| Angle unit (DEG/RAD/GRAD) | • | • | • | • | • | • | • | • | • |
| Angle unit conversion (DEG/RAD/GRAD) | • | • | • | • | • | • | • | • | • |
| Coordinate transformation Pol->Rec | • | • | • | • | • | • | • | • | • |
| Trigonometric functions (sin/cos/tan/sin ⁻¹ /cos ⁻¹ /tan ⁻¹) | • | • | • | • | • | • | • | • | • |
| Hyperbolic functions (sinh/cosh/tanh/sinh ⁻¹ /cosh ⁻¹ /tanh ⁻¹) | • | • | • | • | • | • | • | • | • |
| Exponential, logarithmic (log, ln, 10 ^x , e ^x) | • | • | • | • | • | • | • | • | • |
| Mathematical functions (, x ² , x ³ , x!, x ^x) | • | • | • | • | • | • | • | • | • |
| Base-n calculations (hexadecimal/decimal/binary/octal) | - | - | - | • | - | - | - | - | • |
| Sexagesimal <-> decimal | • | • | • | • | • | • | • | • | • |
| Prime factorisation | • | • | • | - | - | • | • | • | • |
| Engineering notation (ENG/ENG) | • | • | • | • | • | • | • | • | • |
| Calculation with engineering symbols | - | - | - | - | - | - | - | - | • |
| Calculation with complex numbers | - | - | - | - | - | - | - | - | • |
| Random number generator | • | • | • | • | • | • | • | • | • |
| Random integers | • | • | • | • | • | • | • | • | • |
| Probability distribution | - | - | - | - | - | - | - | - | • |
| Create the sum of $\sum x_i$, $\sum \bar{x}_i$ | • | • | • | • | • | • | • | • | • |
| Create the sum of $\sum y_i$, $\sum \bar{y}_i$, $\sum x_i^2$, $\sum xy_i$, $\bar{x}\bar{y}$ | • | • | • | • | • | • | • | • | • |
| Calculation of standard deviations for grouped and ungrouped values | • | • | • | • | • | • | • | • | • |
| Regression analysis | • | • | • | • | • | • | • | • | • |
| Permutation (nPr), Combination (nCr) | • | • | • | • | • | • | • | • | • |
| Matrix calculations | - | - | - | 3x3 | 3x3 | - | - | - | 4x4 |
| Equation calculations | - | - | - | - | - | - | - | - | • |
| Integration calculations/Differential calculations | -/- | -/- | -/- | •/• | •/• | -/- | -/- | -/- | •/• |
| Spreadsheet | - | - | - | - | - | - | - | - | • |
| QR Code ⁵ function | - | - | - | - | - | - | - | - | • |
| Table function | • | • | • | • | • | • | • | • | • |
| Energy supply/Auto power off | battery / • | solar+battery / • | battery / • | battery / • | solar+battery / • | battery / • | solar+battery / • | battery / • | solar+battery / • |
| Batteries | 1xR03 | 1xLR44 | 1xLR44 | 1xR03 | 1xLR44 | 1xR03 | 1xLR44 | 1xR03 | 1xLR44 |
| Dimensions (HxWxD in mm) | 13.8x77x161.5 | 11.1x77x161.5 | 11.1x77x161.5 | 13.8x77x161.5 | 11.1x77x161.5 | 13.8x77x165.5 | 11.1x77x165.5 | 13.8x77x165.5 | 11.1x77x165.5 |
| Approximate weight | 105 g | 95 g | 95 g | 105 g | 95 g | 100 g | 90 g | 100 g | 90 g |

⁴Natural visual perfect algebraic method. Display (input and output) in natural written form, just like in mathematical textbooks.

⁵QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.

TECHNICAL-SCIENTIFIC CALCULATORS

Pocket calculator for basic arithmetic operations

- 8-digit LCD
- Percentage calculation
- Square roots
- Independent memory



SL-450S

- Two-way power



Available in
blue and pink

PETITE FX (LC-401LV)

- Protection flap
- Battery

Classic school calculators with 1-line display

- 1-line LCD
- 10+2 characters
- Trigonometric functions
- Percentage calculation
- Automatic fraction calculation
- Statistical calculations
- Calculations in degrees, grade and radian
- Independent memory
- 144 functions
- Conversion according to DEG, RAD, GRAD
- Backspace key
- Pure solar cell operation



FX-82SOLAR II

www.blauer-engel.de/uz116

School calculators with 2-line display and extended functionality

- 2-line display
- S-V.P.A.M.[®]
- 12 and 10+2 digits, top line dot matrix, bottom line LCD
- 240 functions
- Trigonometric functions
- 9 variable memories
- Two-Dimensional statistics
- Regression analysis
- Replay function
- Battery



FX-82MS 2nd edition

School calculators with 2-line display

- 2-line display
- S-V.P.A.M.[®]
- Random Integer
- Mode/menu settings for contrast and auto power off
- 181 functions
- Trigonometric functions
- Percentage calculation
- Fraction calculations
- Statistical calculations
- Polar/Rectangular conversions
- Permutation and combination
- Calculations in degrees, grade and radian



FX-220 Plus 2nd edition

| Functions | SL-450S | Petite FX (LC-401LV) | FX-82SOLAR II | FX-220 Plus 2 nd edition | FX-82MS 2 nd edition |
|---|---------------|----------------------|---------------|-------------------------------------|---------------------------------|
| Display type | LCD | LCD | LCD | DOT/LCD | S-V.P.A.M. [®] |
| Natural display | - | - | - | S-V.P.A.M. [®] | S-V.P.A.M. [®] |
| No. of figures/lines | 8/1 | 8/1 | 10/1 | 12/1 + 10/1 | 12/1 + 10/1 |
| Display of mantissa exponent | 8 | 8 | 10+2 | 10+2 | 10+2 |
| Replay function | - | • | - | • | • |
| Functions | 7 | 8 | 144 | 181 | 240 |
| Scientific constants | - | - | - | - | - |
| Metric conversions | - | - | - | - | - |
| Variables memory | - | - | 1 | 1 | 9 |
| Parenthesis levels | - | - | 18 | 24 | 24 |
| Fraction arithmetic | - | - | • | • | • |
| Angle unit (DEG/RAD/GRAD) | - | - | • | • | • |
| Angle unit conversion (DEG/RAD/GRAD) | - | - | • | • | • |
| Coordinate transformation Pol>Rec | - | - | • | • | • |
| Trigonometric functions (sin/cos/tan/sin'/cos'/tan') | - | - | • | • | • |
| Hyperbolic functions (sinh/cosh/tanh/sinh'/cosh'/tanh') | - | - | • | • | • |
| Exponential, logarithmic (log, ln, 10 ^x , e ^x) | - | - | • | • | • |
| Mathematical functions (sqrt, x ^y , x ^z , x!, x ^{1/y}) | only √ | only √ | • | • | • |
| Sexagesimal <> decimal | - | - | • | • | • |
| Calculations in the sexagesimal system | - | - | • | • | • |
| Percentage calculation | • | • | • | • | • |
| Engineering notation (ENG/ENG) | - | - | • | • | • |
| Random number generator | - | - | • | • | • |
| Random integers | - | - | - | • | - |
| Statistical calculations | - | - | • | • | • |
| Create the sum of $\sum x$, $\sum x^2$, \bar{x} | - | - | • | • | • |
| Create the sum of $\sum x$, $\sum y$, $\sum x^2$, $\sum y^2$, $\sum xy$, \bar{x} , \bar{y} | - | - | - | - | • |
| Calculation of standard deviations for grouped and ungrouped values | - | - | • | • | • |
| Regression analysis | - | - | - | - | • |
| Permutation (nPr), Combination (nCr) | - | - | • | • | • |
| Integration calculations/Differential calculations | -/- | -/- | -/- | -/- | -/- |
| Energy supply | solar+battery | battery | solar | battery | battery |
| Auto power off | • | • | - | • | • |
| Batteries | 1xLR1130 | 1xLR54 | - | 1xAAA | 1xAAA |
| Dimensions (HxWxD in mm) | 11.9x67x120 | 10.7x75x120 | 9x70.5x121.5 | 13.8x77x161.5 | 13.8x77x161.5 |
| Approximate weight | 43 g | 68 g | 55 g | 105 g | 105 g |

Financial calculators

- Compound interest calculations
- Amortisation of loan
- Price/cost/margin calculations
- Discounted cash flow analysis
- 4-line dot matrix display,
- 15 and 10+2 digits



FC-100V

- Battery

FC-200V

- Bonds and depreciation
- Break-even point calculation
- Two-way power

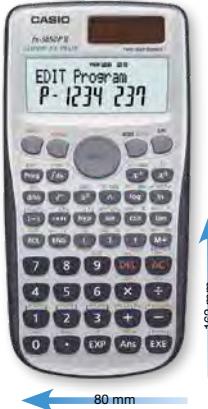
| Model | FC-100V | FC-200V |
|---|------------------|-----------------------------|
| Display | 4-line LCD | 4-line LCD |
| Internal digits | 15 | 15 |
| Mantissa + EXP | 10+2 | 10+2 |
| Basic functions** | • | • |
| Bonds | - | • |
| Depreciation | - | • |
| Compound interest calculations | • | • |
| Amortisation of loans | • | • |
| Annual percentage rate/ Annual effective rate conversions | • | • |
| Discounted cash flow analysis | • | • |
| Price/cost/margin calculations | • | • |
| Programming function | - | - |
| Standard deviation | • | • |
| Regression analysis | • | • |
| Graphic function | - | - |
| Power supply | AAA-size battery | LR44 battery and solar cell |
| Approximate battery life (hours) | 17,000 | 3 years |
| Dimensions (HxWxD in mm) | 13.8x77x162 | 11.1x77x162 |
| Approximate weight | 105 g | 95 g |

* Dot matrix display ** Basic functions.....e^x, log, ln, n!, \sqrt{x} , $\sqrt[3]{x}$, x^2

Programmable school calculators

FX-3650P II

- 2-line display
- 279 functions
- 360 program steps
- Complex numbers
- Numerical integral calculus
- Two-Dimensional statistics
- Two-way power



FX-5800P

- Natural-V.P.A.M.⁷
- 4-line dot matrix display with 16 digits
- 664 functions
- 40 scientific constants
- 128 built-in formulas
- Backup function (flash memory)
- Communication 3-pin (optionally)
- Battery



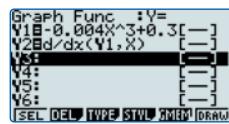
| Functions | | FX-3650P II | FX-5800P |
|------------------------------------|---|---------------------------------|------------------------------------|
| Display | Display type | DOT/LCD | DOT |
| | Natural display | | • |
| | Algebraic input method | S-V.P.A.M. ⁶ | Natural-V.P.A.M. ⁷ |
| | No. of figures/lines | 5 [*] /7/16 | 31x96 |
| | Display of mantissa exponent | 10+2 | 10+2 |
| Memory | Replay function | | |
| | Variable memory | 26 | 26 |
| | Program memory | 360 steps | 3,398 |
| | No. of storable programs | 4, depending on memory capacity | free, depending on memory capacity |
| Mathematics | Pre-installed formula | | 128 |
| | Functions | 279 | 664 |
| | Scientific constants | - | 40 |
| | Metric conversions | - | • |
| | Parenthesis levels | 24 | 26 |
| | Angle unit (DEG/RAD/GRAD) | • | • |
| | Angle unit conversion (DEG/RAD/GRAD) | • | • |
| | Trigonometric functions (sin/cos/tan/sin ⁻¹ /cos ⁻¹ /tan ⁻¹) | • | • |
| | Hyperbolic functions (sinh/cosh/tanh/sinh ⁻¹ /cosh ⁻¹ /tanh ⁻¹) | • | • |
| | Exponential, logarithmic (log, ln, 10 ^x , e ^x) | • | • |
| | Mathematical functions (\sqrt{x} , $x^{\frac{1}{2}}$, $\sqrt[3]{x}$, x^y , $\sqrt{x^y}$) | • | • |
| | Base-n calculations (hexadecimal/decimal/binary/octal) | • | • |
| | Logical operators (AND/OR...) | • | • |
| | Sexagesimal <-> decimal | • | • |
| | Engineering notation (ENG/ENG) | • | • |
| | Calculation with engineering symbols | • | • |
| | Complex number calculations | • | • |
| | Random number generator | • | • |
| | Random integers | - | - |
| | GCD / LCM function | - | - |
| | Matrix calculations | - | • |
| | Equation solver | - | • |
| | Table function | - | - |
| Statistics | Statistical calculations | - | - |
| | Creates sum of $\sum x$, $\sum x^2$ | • | • |
| | Creates sum of $\sum x \cdot y$, $\sum x^2$, $\sum y^2$, $\sum xy$, \bar{x} , \bar{y} | • | • |
| | Standard deviation | • | • |
| | Regression analysis | • | • |
| | Permutation (nPr), Combination (nCr) | • | • |
| Differential and integral calculus | Numerical integration calculus | • | • |
| | Numerical differential calculus | • | • |
| Other | Programmable | • | • |
| | Energy supply | solar+battery | battery |
| | Automatic shutdown | • | • |
| | Battery type | 1xLR44 | 1xAAA |
| | Dimensions (HxWxD in mm) | 11.1x80x162 | 15.1x81.5x163 |
| | Approximate weight | 95 g | 150 g |

⁶ Super visual perfect algebraic method.

⁷ Natural visual perfect algebraic method. Display (input and output) in natural written form, just like in mathematical textbooks.

Graphic calculator that immediately visualises results in graphs, tables and lists

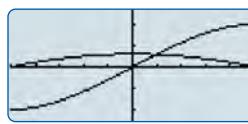
- 8-line monochrome display
- Easy to operate thanks to function keys
- Solution of equations with integral, differential and probability functions
- Unit conversion
- GCD/LCM function
- Pie chart, Bar chart
- Random integer
- Several graphs can be shown in a single coordinate system
- Box and zoom function
- Linking function for data from lists and list-based statistics
- Graphs of inequations
- Graphs of parametric functions
- Various graphic functions
- Value tables
- Hard case



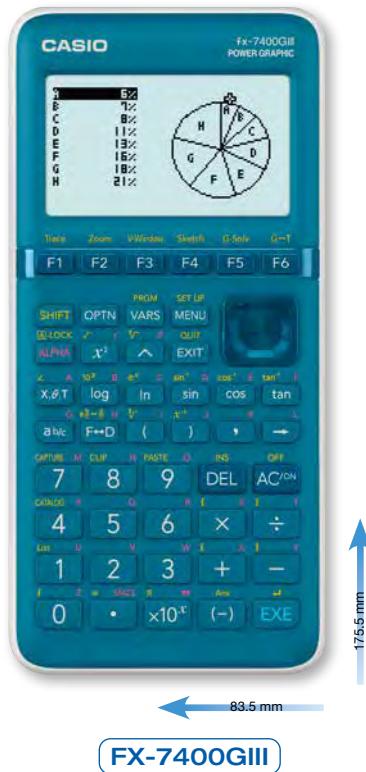
a) Function input and its derivation



b) Zone settings for the display screen

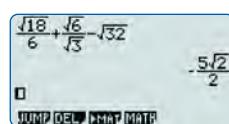


c) Graph of a function and its derivative

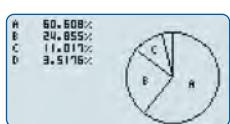


Graphic calculator with natural textbook display and spreadsheet

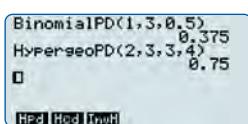
- 61 kB RAM/3 MB flash ROM memory
- Natural-V.P.A.M.[®]
- 8-line monochrome display
- Easy to operate thanks to function keys
- Solution of equations with integral, differential and probability functions
- Unit conversion
- Vector calculation
- GCD/LCM function
- Pie chart, Bar chart
- Random integer
- Financial functions
- Geometry Add-in preloaded
- Spreadsheet
- eActivity
- Dynamic graphs
- Graphs of inequations
- Graphs of parametric functions
- Several graphs can be shown in a single coordinate system
- Various graphic functions
- Value tables
- Python
- Hard case
- Data exchange with the PC via included USB cable
- Direct docking option to current CASIO projectors



a) Natural input/output



b) Pie chart



c) Binomial and hypergeometric distribution



Graphic calculator with innovative colour display and 3D graph

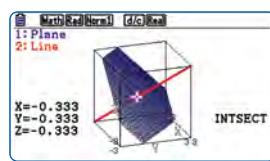
- Colour display with more than 65,000 colours
- Picture plot function
- 16 MB flash ROM
- Natural-V.P.A.M.⁸
- Easy to operate thanks to function keys
- Solution of equations with integral, differential and probability functions
- Unit conversion
- Vector calculation
- Pie chart, Bar chart
- Financial functions
- Geometry Add-in preloaded
- Spreadsheet
- eActivity
- Dynamic graphs
- Graphs of inequations
- Graphs of parametric functions
- Several graphs can be shown in a single coordinate system
- Probability Add-in
- Value tables
- Hard case
- Pre-installed Data Logger collection and analysis application
- Data exchange with the PC via included USB cable
- Direct docking option to current CASIO projectors
- 3D graph Add-in
- Python



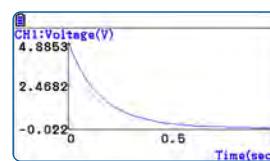
High-contrast colour display



3D graph



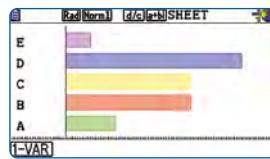
Data collection



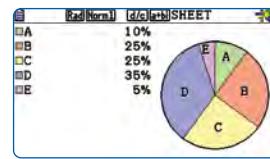
Spreadsheet

| | A | B | C | D |
|---|---|----|----|---|
| 1 | A | 20 | 10 | |
| 2 | B | 50 | 25 | |
| 3 | C | | 25 | |
| 4 | D | 70 | 35 | |
| 5 | E | 10 | 5 | |

Bar chart



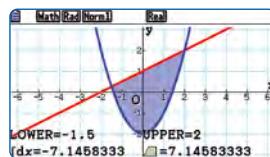
Pie chart



Natural-V.P.A.M.

```
Math(Rad(Norm)) d/c/p/b SHEET
 $\int_{-1/\sqrt{2}}^{1/\sqrt{2}} x^2 - x^3 dx$ 
 $= \frac{8\sqrt{2}}{3}$ 
SolveN(cos x=1)
{-8π, -6π, -4π, -2π, 0, 2π}
Solve(d/dx)d^2/dx^2 f dx SolveN >
```

Integration



Probability simulation

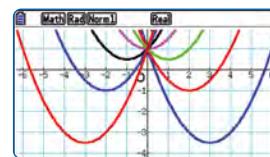
| Wurf | Sum |
|------|-----|
| 26 | 1 |
| 27 | 3 |
| 28 | 5 |
| 29 | 2 |
| 30 | 2 |

ROLL +n STORE CLEAR TABLE GRAPH

Periodic table



Parabola



Case in carbon design

For the graphing models FX-CG50, FX-7400GIII and FX-9860GIII CASIO offers a robust case in a carbon design.



FX-MANAGER PLUS/FX-CG MANAGER PLUS SUBSCRIPTION

The graphic calculator software is appealing because it has the same basic functionality as the corresponding graphic calculators FX-9860GIII and FX-CG50. The software is available at edu.casio.com

Licence options (1 & 3 years):

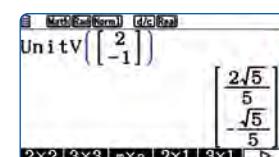
Standalone Licence [Single Licence / 10 Licences / 30 Licences / 100 Licences]

If you would like to allow multiple users to use a single account, check the network licence information at edu.casio.com



⁸ Natural visual perfect algebraic method. Display (input and output) in natural written form, just like in mathematical textbooks.

Unit vector



Python

```
equ3.py 001/007
x=int(input("x="))
if x>=0:
    x=x
else:
    x=-x
print("y=",x)
```

168.5 mm

89 mm

Steve Beckle – Fotolia.com

CLASSPAD II: WITH CAS AND LARGE, COLOUR TOUCHSCREEN

The ClassPad II follows the trend towards practical teaching and independent learning – and thus towards the increased use of graphic calculators with a Computer Algebra System (CAS). Various areas of application can be interactively interlinked, opening up new didactic possibilities and illustrating mathematical problem solving in various ways.

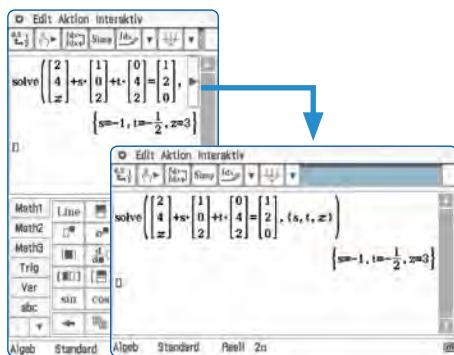
Advantages in use:

- High-resolution, rotatable, large colour screen: 4.8 inch, 320x528 pixels
- Touch-sensitive screen for finger or touchscreen pen operation
- Updatable software
- Extremely quick start-up
- Established intuitive operation system
- Uses commercially available batteries



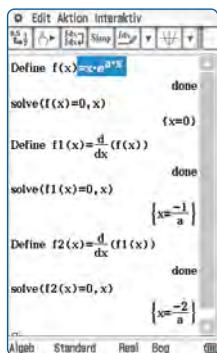
Horizontal/vertical display format

The screen format can be switched from horizontal to vertical at the press of a key. Long mathematical terms are shown completely and distinctly on the large screen.

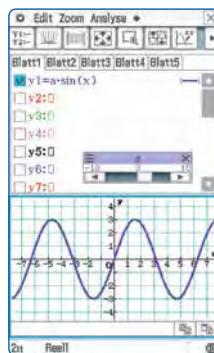
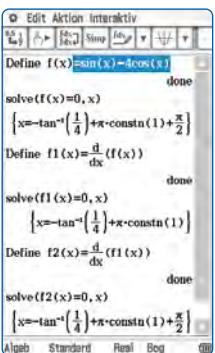


ClassPad II

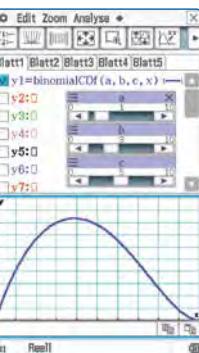
Parameter changes



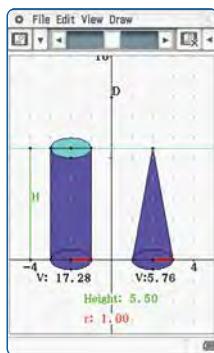
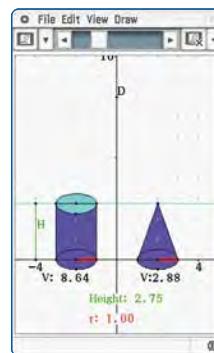
Previously defined calculation steps are recalculated if the initial function is edited.



Parameters can be modified and thus used to manipulate graphs.



Dynamic geometry



Dynamic figures can be displayed and edited using various design systems. Animations help you to explore mathematical laws.

CLASSPAD II MANAGER SUBSCRIPTION

The ClassPad II Manager software (Subscription licence) emulates a fully functioning ClassPad with identical key assignment and identical user guidance on your PC.

User-friendly utilisation of ClassPad II Manager:

- Simple lesson preparation on the PC
- Full-screen mode
- Screenshot creation
- Straightforward drafting of eActivity worksheets

The software is available at edu.casio.com

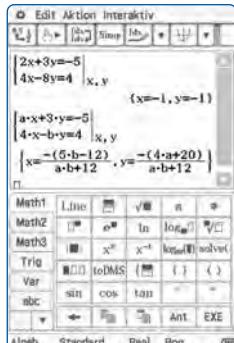
Licence options (1 & 3 years):

Standalone Licence [Single Licence / 10 Licences / 30 Licences / 100 Licences]

If you would like to allow multiple users to use a single account, check the network licence information at edu.casio.com

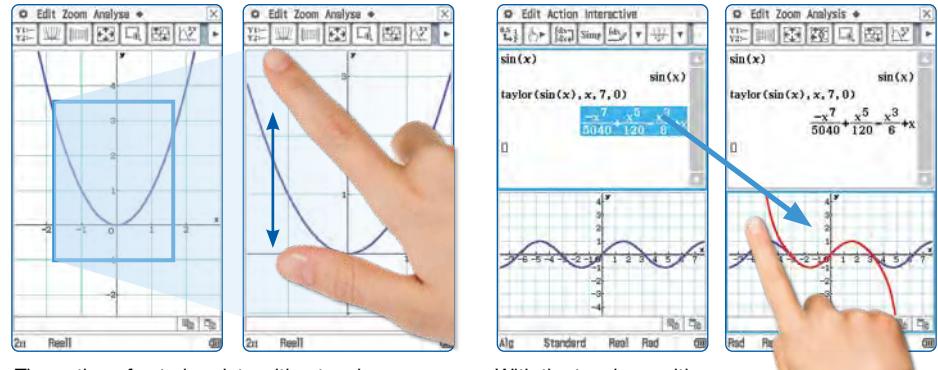


Virtual keyboard – numeric and algebraic calculation

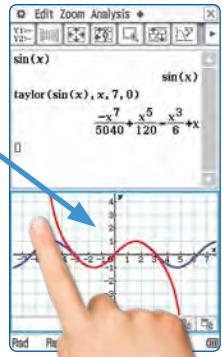
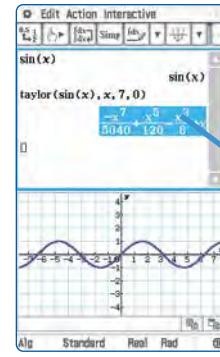


The functions of the soft keyboard are logically arranged. The integrated formula editor allows you to enter terms and equations using natural notation: Both input and output look the same as in the mathematics book.

Input methods

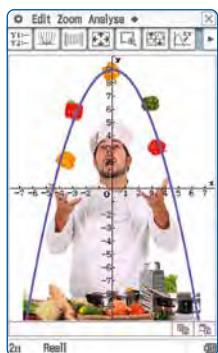


The option of entering data with a touch-sensitive pen or finger makes working with the ClassPad II particularly easy.



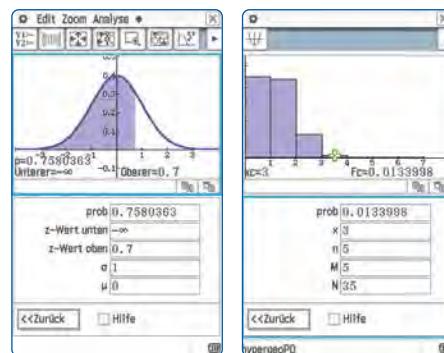
With the touch-sensitive screen you can drag and drop items easily in order to illustrate functions.

Picture Plot application



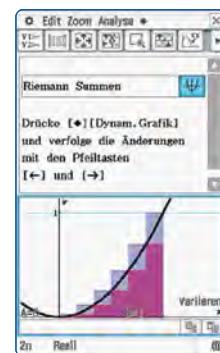
This application is suited for the mathematical analysis of photos and videos. By drawing reference points, regressions, etc. can be performed, or functions found experimentally.

Statistics and stochastics



Assistants help to calculate and illustrate probabilities, distributions and tests.

eActivity



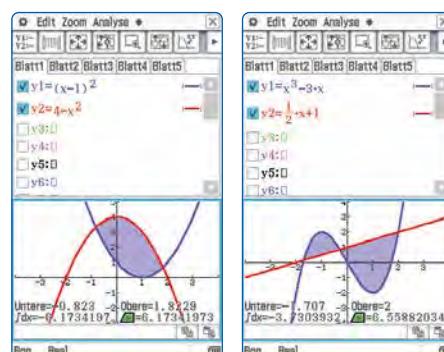
The integrated eActivity application allows you to combine problem definitions and text in electronic worksheets.

Physium



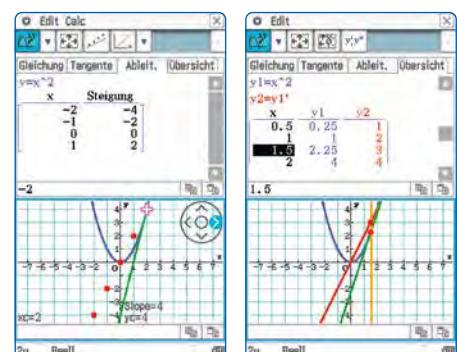
The Add-in Physium contains the basic natural constants and the periodic table of elements with detailed data for each item.

The area between two intersections



The areas between the intersection points of several functions can be shown in colour and calculated.

Interactive differential calculus



This application allows the visualisation of the dynamic transition from secant slope to tangent slope at an arbitrary point on the displayed graph.

| Functions | | FX-7400GIII | FX-9860GIII | FX-CG50 | ClassPad II |
|---|---|--------------------|-------------------------------|-------------------------------|-------------------------------|
| Display | Natural display | - | Natural-V.P.A.M. ⁹ | Natural-V.P.A.M. ⁹ | Natural-V.P.A.M. ⁹ |
| | Colour display | - | - | > 65,000 colours | > 65,000 colours |
| | Lines x digits | 8x21 | 8x21 | 8x21 | 16x25 |
| | Display size (in pixels) | 64x128 | 64x128 | 216x384 | 528x320 |
| | Backlight | - | - | • | • |
| | Vertical and horizontal view | - | - | - | • |
| | Pen-operated touchscreen | - | - | - | • |
| Memory | RAM/Flash-ROM memory | 20 kB | 61 kB/3 MB | 61 kB/16 MB | 500 kB/5.5 MB+24 MB |
| | Memory for values/variables | 28 | 28 | 28 | up to memory |
| | Recall of last entry | • | • | • | • |
| Mathematics | Scientific notation | 10+2 | 10+2 | 10+2 | 10+2 |
| | sin, cos, tan and inverse | • | • | • | • |
| | Hyperbolic functions and inverse | • | • | • | • |
| | Conversion Degree-Radian | • | • | • | • |
| | Conversion sexagesimal < > decimal | • | • | • | • |
| | Conversion polar < > rectangular | • | • | • | • |
| | Unit conversions | • | • | • | - |
| | Base-n calculations (hexadecimal/decimal/binary/octal) | • | • | • | • |
| | Exponential/logarithm functions | • | • | • | • |
| | Table function | • | • | • | • |
| | Linear equation | up to 6 | up to 6 | up to 6 | up to memory |
| | Polynom equations of a higher order | up to 6 | up to 6 | up to 6 | up to memory |
| | Logical operators (AND/OR/...) | • | • | • | • |
| | Computer-Algebra-System | - | - | - | • |
| | Complex number calculations | • | • | • | • |
| | Interactive equation solver | • | • | • | • |
| | Matrix calculations | - | • | • | • |
| | REF/RREF function | - | • | • | • |
| | Vector calculations | - | • | • | • |
| | Repeat/answer memory | • | • | • | • |
| | Recursive number series | - | • | • | • |
| | GCD/LCM function | • | • | • | • |
| | Laplace transformation | - | - | - | • |
| | Fourier transformation | - | - | - | • |
| Graphic presentation | No. of functions | 20 | 20 | 20 | up to 100 |
| | X=f(Y)graph | • | • | • | • |
| | Inequations (automatic shading) | • | • | • | • |
| | Zoom, trace functions | • | • | • | • |
| | Conics mode | - | • | • | • |
| | 3D graph | - | - | • | • |
| | Dynamic geometry software | - | preloaded/Add-in | preloaded/Add-in | • |
| Statistics | Mean value, standard deviation | • | • | • | • |
| | Linear regression | • | • | • | • |
| | Median, quartiles | • | • | • | • |
| | Descriptive statistics | • | • | • | • |
| | Combinatorial analysis and permutation | • | • | • | • |
| | Regression models | 12 | 12 | 12 | 12 |
| | Histograms, scatter | • | • | • | • |
| | Box and whisker plots | • | • | • | • |
| | Pie/Bar chart | • | • | • | • |
| | No. of lists | 26x6 | 26x6 | 26x6 | up to memory |
| | Max. list length | 999 | 999 | 999 | up to memory |
| | Evaluative statistics | • | • | • | • |
| | Probability simulation | - | • (Add-in) | • (Add-in) | • |
| Differential and integral calculus | Probability distribution | - | • | • | • |
| | Differential equations | - | - | - | • |
| | Numerical integral calculus | • | • | • | • |
| | Numerical differential calculus | • | • | • | • |
| | Symbolic integral calculus | - | - | - | • |
| | Symbolic differential calculus | - | - | - | • |
| | dynamic calculation of area | - | - | • | - |
| | Roots, intersection and free choice as border of integral calculation | - | - | • | • |
| Programming | Maximum, minimum | • | • | • | • |
| | Formula memory | • | • | • | • |
| | Programming/user-defined | • | • | • | • |
| | String function | • | • | • | • |
| Financial mathematics | Python | - | • | • | - |
| | | - | • | • | • |
| Other | Additional applications/Add-ins | - | • | • | • |
| | Operating system update possible | - | • | • | • |
| | Password protection | - | - | • | - |
| | Protective hard case | • | • | • | • |
| | Spreadsheet | - | • | • | • |
| | eActivity | - | • | • | • |
| | Picture Plot | - | - | pre-installed Add-in | • |
| | Calculator to calculator cable | optionally | supplied with the calculator | supplied with the calculator | supplied with the calculator |
| | Auto power off | • | • | • | • |
| | PC connection possible | - | supplied with the calculator | supplied with the calculator | supplied with the calculator |
| | Corresponding Emulator-Software | - | optionally | optionally | optionally |
| | C-Lab connection possible/E-CON | - | •/• | •/• | •/• |
| | Batteries (main battery) | 4xAAA | 4xAAA | 4xAAA | 4xAAA |
| | Dimensions (H x W x D in mm) | 18.7x83.5x175.5 | 18.7x83.5x175.5 | 18.6x89x188.5 | 21.1x89x206 |
| | Approximate weight | 190 g | 190 g | 230 g | 315 g |

⁹Natural visual perfect algebraic method. Display (input and output) in natural written form, just like in mathematical textbooks.

DATA LOGGER

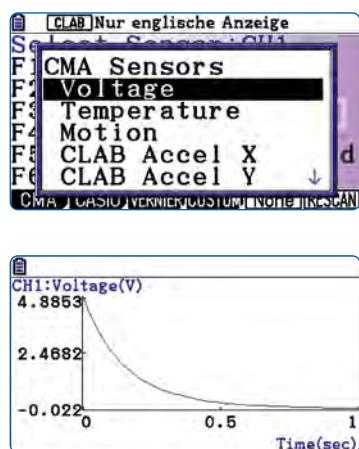
CMA C-Lab

The CMA C-Lab is an easy-to-operate data logger for maths and science instruction. It is connected to the graphic calculator from CASIO with 3-pin cables. More than 50 different sensors can be used with the unit. Measurements of up to 50,000 Hz and precise, frequency-independent timing are possible thanks to the integrated processor and memory.

When the CMA C-Lab is used with a CASIO graphic calculator, the data logger is controlled via the graphic calculator's data logger software. The gathered data is sent to the graphic calculator in real time and the measuring process can be monitored on the graphic calculator display.

Data logger

Data logger is a menu-driven graphic calculator application from CASIO with which the data collected with the CMA C-Lab can be further processed. For example, the data can be graphically displayed on the ClassPad II or FX-CG50.



OFFICE CALCULATORS



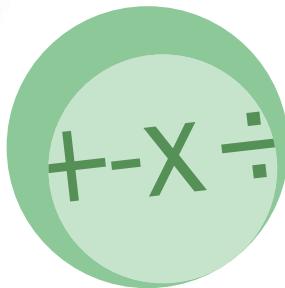
Whether you are calculating percentages, taxes or profits – the pocket, desktop and printing calculators from CASIO always deliver fast and precise results. CASIO calculators are characterised by functional versatility, elegant design and robust construction. They offer everything you could ever ask for to meet today's everyday office needs. Their ergonomic layout ensures error-free input and provides an easy-to-read readout of your results. CASIO calculators are a great investment – you can work it out for yourself.

THE RELIABLE CALCULATORS FOR THE TOUGH TASKS OF EVERYDAY OFFICE LIFE



Desk calculators

Large keys and a clearly legible display:
The uncomplicated design of the desk calculators
guarantees precise results in the office.



Pocket calculators

Small and practical:
The handy pocket calculators are the ideal
solution for a quick calculation wherever you
happen to be.



Printing calculators

Clean printing on standard paper:
Printing calculators offer document-quality printing
for retraceable calculation and accounting steps.

Desk calculators with EURO conversion

- Extra-large display
- Two-way power
- Plastic keys
- Currency conversion
- Plus/minus change
- 3-digit comma markers
- Key rollover

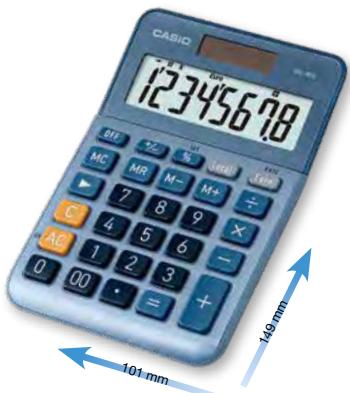


MS-8E

- 8-digit display
- Plastic cover
- Mini desk type size
- Backspace key

MS-80E

- 8-digit display
- Metal cover
- Double zero key
- Mini desk type size
- Backspace key



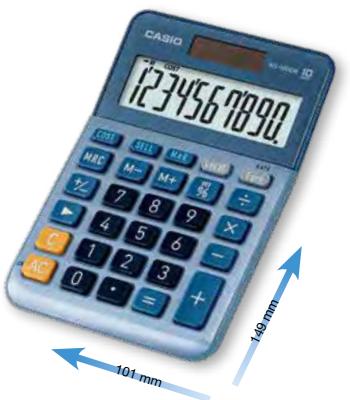
MS-88EM

- 8-digit display
- Metal cover
- Profit calculation (cost/sell/margin)
- Mini desk type size
- Backspace key



MS-100 EM

- 10-digit display
- Metal cover
- Profit calculation (cost/sell/margin)
- Mini desk type size
- Backspace key

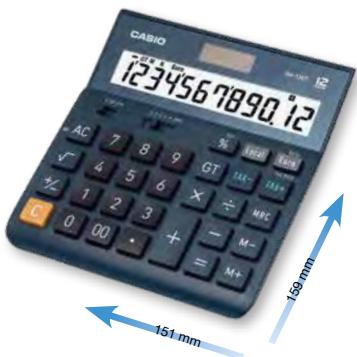


MS-120EM

- 12-digit display
- Metal cover
- Profit calculation (cost/sell/margin)
- Mini desk type size
- Backspace key

DF-120EM

- 12-digit display
- Metal cover
- Desktop type size
- Rounding selector
- GT memory
- Double zero key
- Profit calculation (cost/sell/margin)
- Backspace key

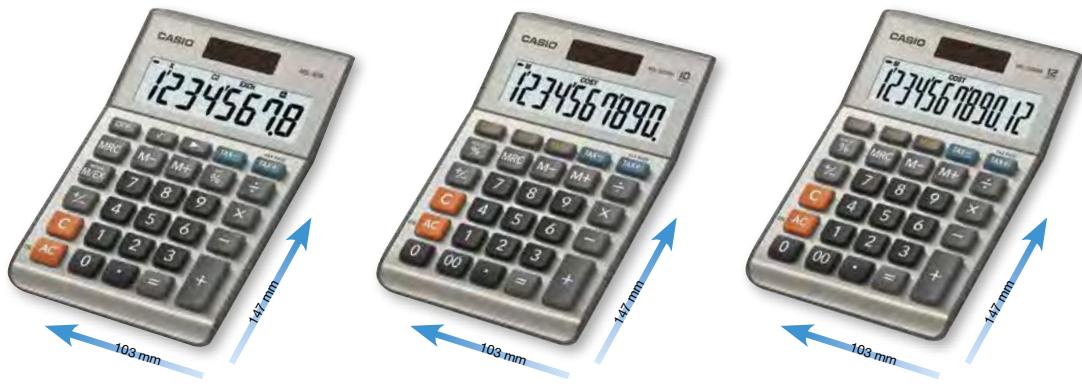


DH-12ET

- 12-digit display
- Desktop type size
- Plastic cover
- Tax calculation
- Rounding selector
- GT memory
- Square root
- Double zero key

Compact desk calculators with tax calculation

- Extra-large display
- Mini desk type size
- Two-way power
- Tax calculation
- Plus/minus change
- 3-digit comma markers
- Key rollover
- Plastic keys
- 3-Key memory



MS-80B

- 8-digit display
- Backspace key
- Currency conversion
- Metal cover
- Square root

MS-100BM

- 10-digit display
- Double zero key
- Profit calculation (cost/sell/margin)
- Metal cover

MS-120BM

- 12-digit display
- Double zero key
- Profit calculation (cost/sell/margin)
- Metal cover



MS-8B

- 8-digit display
- Plastic cover
- Currency conversion

MS-10B

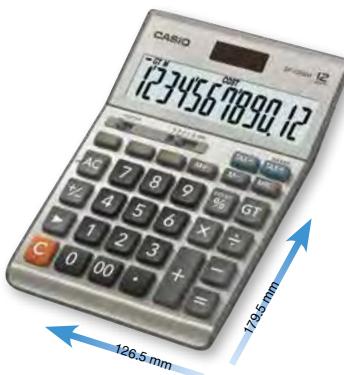
- 10-digit display
- Plastic cover
- Currency conversion

MS-20B

- 12-digit display
- Plastic cover
- Currency conversion

Desk calculators with profit calculation

- 12-digit display
- Profit calculation (cost/sell/margin)
- Extra-large display
- Two-way power
- Plastic keys
- Key rollover
- 3-digit comma markers
- Rounding selector
- GT memory
- Double zero key
- Plus/minus change
- Metal cover
- Tax calculation
- Kickstand
- Backspace key



DF-120BM

The X-Series desk calculators with standard percentage calculation

- Extra-large display
- Two-way power
- Plastic keys
- Key rollover
- Plus/minus change
- 3-digit comma markers
- Mark up
- Plastic cover



MX-8B

- 8-digit display
- Mini desk type size
- Square root

MX-12B

- 12-digit display
- Mini desk type size
- Double zero key
- Backspace key
- Available in black and white



GX-12B

- 12-digit display
- Desktop type size
- Double zero key
- Backspace key
- Rounding selector
- Square root
- Item counter
- Double memory

DX-12B

- 12-digit display
- Desktop type size
- Double zero key
- Backspace key
- Rounding selector
- Square root
- GT memory



Desk calculators in wide format with square root and standard percentage calculation

- 12-digit display
- Extra-large display
- Two-way power
- Desktop type size
- Plastic cover
- Plastic keys
- Square root
- Key rollover
- 3-digit comma markers
- Plus/minus change
- Mark up
- Backspace key
- GT memory
- Double zero key



DH-12

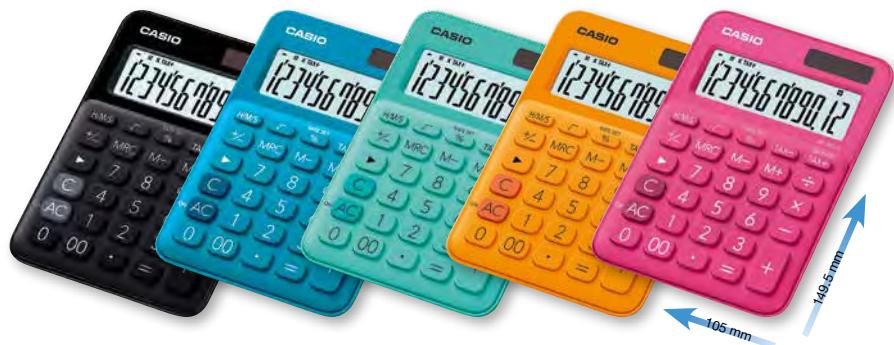
- Rounding selector



MH-12

Compact desk calculators in trendy colours

- Mini desk type size
- Two-way power
- Plus/minus change
- Key rollover
- Tax calculation
- 3-digit comma markers
- Plastic cover
- Time calculation
- Square root
- Backspace key
- Double zero key



MS-20UC

- 12-digit display
- Available in black, blue, green, orange, red, pink, purple, light blue, white



MS-7UC

- 10-digit display
- Available in blue, green and red



Desk calculators in stylish design

- Extra-large 12-digit tilt display
- Compact desk type size
- Metal cover
- Plastic keys
- Two-way power
- Plus/minus change
- Key rollover
- Tax calculation
- 3-digit comma markers
- Currency conversion
- Backspace key
- GT memory
- Square root
- Double zero key
- Rounding selector



JW-200SC

- Available in black, blue, pink, navy blue, gold, white, grey

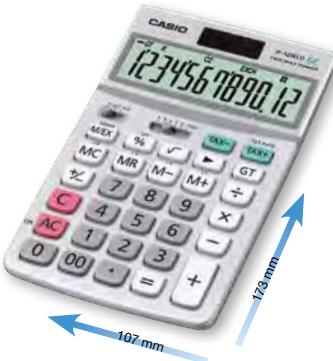
The environmentally friendly eco-calculators

- Upper and lower case made out of recycled plastic
- Currency conversion
- Extra-large display
- Plastic keys
- Two-way power
- Plus/minus change
- Key rollover
- Tax calculation
- 3-digit comma markers
- Backspace key
- Square root
- Metal cover



MS-88ECO

- 8-digit display
- Mini desk type size



JF-120ECO

- 12-digit display
- Compact desk type size
- Rounding selector
- Kickstand
- GT memory
- Double zero key



DF-120ECO

- 12-digit display
- Desktop type size
- Rounding selector
- Kickstand
- GT memory
- Double zero key

Water-protected and dust-proof calculators

- Detachable and washable Keypad
- Extra-large 12-digit display
- Two-way power
- Tax calculation
- Profit calculation (cost/sell/margin)
- Key Rollover
- 3-Key memory
- 3-digit comma markers
- Plus/minus change
- Double zero key
- Level of Protection: IP54



WM-320MT

- Mini desk type size



WD-320MT

- Desktop type size
- GT memory
- Backspace key



Desk calculators with check & correct function and standard percentage calculation

- 12-digit display
- Plastic cover
- Plastic keys
- Two-way power
- Auto review
- Mark up
- Square root
- Backspace key
- Double zero key
- Localised number display
- Key rollover
- 300 steps
- Recheck with sound assist
- GT memory



MJ-120D Plus

- Mini-desk type size
- Tax calculation



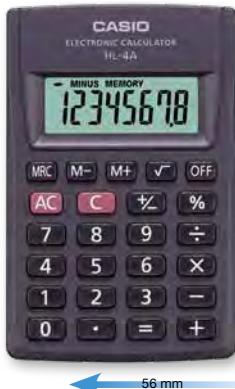
DJ-120D Plus

- Desktop type size
- Go to function
- Triple zero key
- Rounding selector

| Model | Digits | Power supply | Currency conversion | Tax calculation | Independent memory | GT | % | Mark up | ✓ | +/- | ► | Time calculation | Profit calculation CSM | Item Counter | 3-digit comma markers | 5/4 | Cut | Up | Decimal selector | ADD mode | Dimensions HxWxD (mm) | Approx. weight (g) |
|--------------|--------|---------------|---------------------|-----------------|--------------------|----|---|---------|---|-----|---|------------------|------------------------|--------------|-----------------------|-----|-----|-----------|--------------------|----------------------|-----------------------|--------------------|
| MS-8E | 8 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | - | • | - | - | - | - | 28x101x149 | 105 | |
| MS-80E | 8 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | - | • | - | - | - | - | 28x101x149 | 120 | |
| MS-88EM | 8 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | - | • | - | - | - | - | 28x101x149 | 120 | |
| MS-100EM | 10 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | • | - | • | - | - | - | 28x101x149 | 120 | |
| MS-120EM | 12 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | • | - | • | - | - | - | 28x101x149 | 120 | |
| DF-120EM | 12 | Two-way power | • | - | • | - | • | - | - | • | • | - | - | • | - | • | • | - | 0,1,2,3,4 | 31x126x179 | 180 | |
| DH-12ET | 12 | Two-way power | • | • | • | • | • | - | • | • | - | - | - | - | • | • | • | - | 0,1,2,3,4 | 29x151x159 | 180 | |
| MS-80B | 8 | Two-way power | • | • | • | - | • | - | • | • | • | - | - | - | • | - | - | - | - | 28.8x103x147 | 115 | |
| MS-100BM | 10 | Two-way power | - | • | • | - | • | - | - | • | - | - | - | • | - | - | - | - | - | 28.8x103x147 | 115 | |
| MS-120BM | 12 | Two-way power | - | • | • | - | • | - | - | • | - | - | - | • | - | - | - | - | - | 28.8x103x147 | 115 | |
| MS-8B | 8 | Two-way power | • | • | • | - | • | - | - | • | - | - | - | - | • | - | - | - | - | 28.8x103x147 | 110 | |
| MS-10B | 10 | Two-way power | • | • | • | - | • | - | - | • | - | - | - | - | • | - | - | - | - | 28.8x103x147 | 110 | |
| MS-20B | 12 | Two-way power | • | • | • | - | • | - | - | • | - | - | - | - | • | - | - | - | - | 28.8x103x147 | 110 | |
| DF-120BM | 12 | Two-way power | - | • | • | - | • | • | - | • | • | - | - | • | - | • | • | 0,1,2,3,4 | 32.6x126.5x179.5 | 180 | | |
| MX-8B | 8 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 29 x 106.5 x 147 | 115 | |
| MX-12B | 12 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 29 x 106.5 x 147 | 115 | |
| DX-12B | 12 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 33.2 x 129 x 175.5 | 180 | | |
| GX-12B | 12 | Two-way power | - | - | 2 | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 34.3 x 159 x 207.5 | 245 | | |
| GX-14B | 14 | Two-way power | - | - | 2 | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 34.3 x 159 x 207.5 | 245 | | |
| GX-16B | 16 | Two-way power | - | - | 2 | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 34.3 x 159 x 207.5 | 245 | | |
| DH-12 | 12 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 28.5x151x159 | 180 | | |
| DH-16 | 16 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,4 | 28.5x151x159 | 180 | | |
| MH-12 | 12 | Two-way power | - | - | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 27.6x127x136.5 | 125 | |
| MS-20UC | 12 | Two-way power | - | • | • | - | • | - | • | • | • | - | - | - | • | - | - | - | - | 22.8x105x149.5 | 110 | |
| MS-7UC | 10 | Two-way power | - | • | • | - | • | - | • | • | • | - | - | - | • | - | - | - | - | 19.4x85.5x120 | 70 | |
| JW-200SC | 12 | Two-way power | • | • | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,3,4 | 10.8x109x183.5 | 150 | | |
| MS-88ECO | 8 | Two-way power | • | • | • | - | • | - | • | • | • | - | - | - | • | - | - | - | - | 30.7x103x145 | 125 | |
| JF-120ECO | 12 | Two-way power | • | • | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,3,4 | 26.3x107x173 | 160 | | |
| DF-120ECO | 12 | Two-way power | • | • | • | - | • | • | - | • | • | - | - | - | • | • | • | 0,1,2,3,4 | 35.7x122.5x174.5 | 185 | | |
| WM-320MT | 12 | Two-way power | - | • | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 33.4 x 108.5 x 168.5 | 175 | |
| WD-320MT | 12 | Two-way power | - | • | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 35.6 x 144.5 x 194.5 | 255 | |
| MJ-120D Plus | 12 | Two-way power | - | • | • | - | • | • | - | • | • | - | - | - | • | - | - | - | - | 28.6x126.5x148 | 140 | |
| DJ-120D Plus | 12 | Two-way power | - | - | • | - | • | - | • | • | • | - | - | - | • | • | • | 0,1,2,3,4 | 34.6x144x192 | 205 | | |

Compact pocket calculators with standard percentage calculation

- 8-digit display
- Percentage calculation
- Large display
- Square root



HL-4A

- Battery operation
- Plastic cover
- Plus/minus change



HL-815L-BK

- Battery operation
- Plastic cover
- 3-digit comma markers



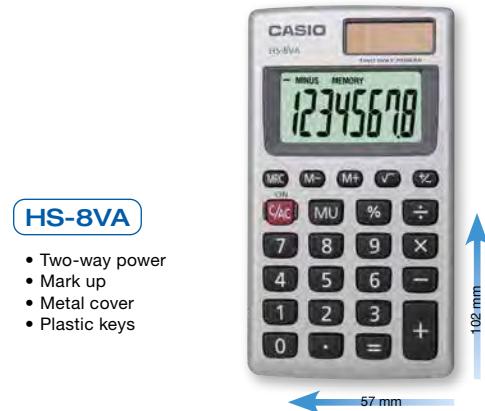
HL-820LV

- Protection flap
- Battery operation
- Plastic cover
- 3-digit comma markers



HL-820VA

- Metal cover
- Battery operation
- Plastic keys
- 3-digit comma markers

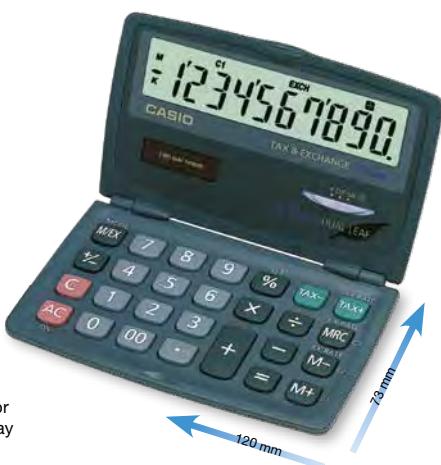


HS-8VA

- Two-way power
- Mark up
- Metal cover
- Plastic keys

Clearly laid out pocket calculators with dual leaf and large display

- Dual leaf
- Two-way power
- Currency conversion
- Plastic cover
- Percentage calculation
- Plus/minus change
- 3-digit comma markers



SL-210TE

- 10-digit display
- Tax calculation
- Rounding selector
- Extra-large display



SL-100VERA

- 8-digit display
- Backspace key
- Large display

Handy classics with a large display

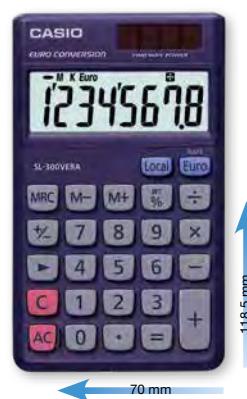
- Percentage calculation
- Plus/minus change
- 3-digit comma markers
- Extra-large display
- Currency conversion
- Wallet case
- Two-way power

**SL-305ECO**

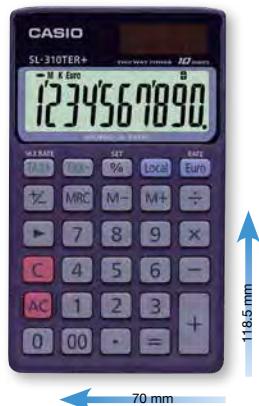
- 8-digit display
- Tax calculation
- Metal cover
- Plastic keys
- Upper and lower case made out of recycled plastic

**SL-300VERA**

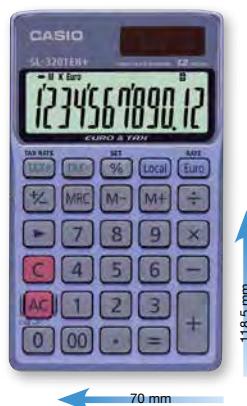
- 8-digit display
- Plastic cover
- Backspace key

**SL-310TER+**

- 10-digit display
- Tax calculation
- Plastic cover
- Double zero key
- Backspace key

**SL-320TER+**

- 12-digit display
- Tax calculation
- Plastic cover
- Double zero key
- Backspace key



Compact pocket calculators with EURO conversion and protection flap

- 8-digit display
- Plastic cover
- Protection flap
- Percentage calculation
- Currency conversion
- 3-digit comma markers
- Large display

HL-820VERA

- Battery operation

**HS-8VERA**

- Two-way power



Pocket calculators in trendy colours

- 10-digit display
- Plastic keys
- Two-way power
- Plus/minus change
- Key rollover
- Tax calculation
- 3-digit comma markers
- Time calculation
- Backspace key
- Square root
- Extra-large display



SL-310UC

- Available in black, blue, green, orange, red, pink, purple, light blue, white



Pocket calculators in stylish design

- 10-digit display
- Metal cover
- Plastic keys
- Two-way power
- Plus/minus change
- Key rollover
- Tax calculation
- 3-digit comma markers
- Backspace key
- Square root
- Extra-large display
- Double zero key

SL-1000SC

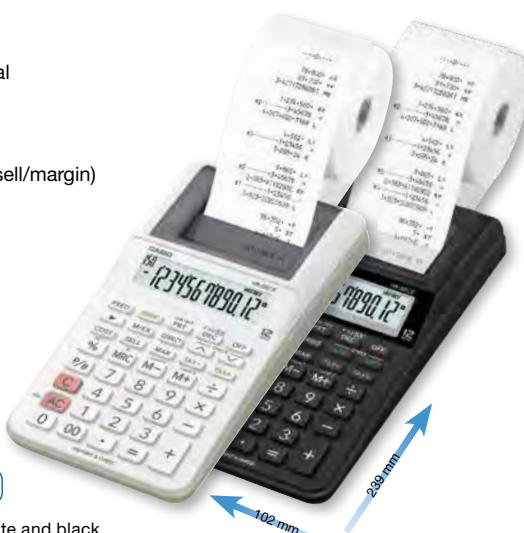
- Available in black, blue, grey, navy blue, gold, pink, white



| Model | Digits | Power supply | Currency conversion | Tax calculation | Independent memory | % | Mark up | ✓ | +/- | ✖ | Time calculation | 3-digit comma markers | 5/4 | Cut | Double zero key | Decimal selector | Dimensions HxWxD (mm) Folded | Dimensions HxWxD (mm) Unfolded | Approx. weight (g) | Case |
|------------|--------|---------------|---------------------|-----------------|--------------------|---|---------|---|-----|---|------------------|-----------------------|-----|-----|-----------------|------------------|------------------------------|--------------------------------|--------------------|----------|
| HL-4A | 8 | LR-54x1 | - | - | • | • | - | • | • | - | - | - | - | - | - | - | 8.6x56x87 | 8.6x56x87 | 25 | - |
| HL-815L-BK | 8 | AA x1 | - | - | • | • | - | • | - | - | - | • | - | - | - | - | 18x69.5x118 | 18x69.5x118 | 65 | - |
| HL-820LV | 8 | LR-54x1 | - | - | • | • | - | • | - | - | - | • | - | - | - | - | 7.5x62.5x104 | 7.5x127x104 | 45 | Hardcase |
| HL-820VA | 8 | LR-54x1 | - | - | • | • | - | • | - | - | - | • | - | - | - | - | 6.9x57x102 | 6.9x57x102 | 35 | Wallet |
| HS-8VA | 8 | Two-way power | - | - | • | • | - | • | - | - | - | - | - | - | - | - | 6.9x57x102 | 6.9x57x102 | 35 | Wallet |
| SL-305ECO | 8 | Two-way power | • | • | • | • | - | - | • | - | - | • | - | - | - | - | 8.5x70x118.5 | 8.5x70x118.5 | 50 | Wallet |
| SL-300VERA | 8 | Two-way power | • | - | • | • | - | - | • | • | - | • | - | - | - | - | 7.5x70x118.5 | 7.5x70x118.5 | 50 | Wallet |
| SL-310TER+ | 10 | Two-way power | • | • | • | • | - | - | • | • | - | • | - | - | • | - | 8x70x118.5 | 8x70x118.5 | 50 | Wallet |
| SL-320TER+ | 12 | Two-way power | • | • | • | • | - | - | • | • | - | • | - | - | • | - | 8x70x118.5 | 8x70x118.5 | 50 | Wallet |
| HL-820VERA | 8 | LR-54x1 | • | - | • | • | - | - | - | - | - | • | - | - | - | - | 10x62.5x104 | 7.5x127x104 | 45 | Hardcase |
| HS-8VERA | 8 | Two-way power | • | - | • | • | - | - | - | - | - | • | - | - | - | - | 10x62.5x104 | 7.5x127x104 | 45 | Hardcase |
| SL-310UC | 10 | Two-way power | - | • | • | • | • | - | • | • | • | • | - | - | - | - | 8.4x70x118 | 8.4x70x118 | 50 | Wallet |
| SL-1000SC | 10 | Two-way power | - | • | • | • | • | - | • | • | • | • | - | - | • | - | 8.7x71x120 | 8.7x71x120 | 55 | Wallet |
| SL-210TE | 10 | Two-way power | • | • | • | • | • | - | - | • | - | • | • | • | • | 2 | 12.5x120x73 | 6.5x120x141 | 80 | - |
| SL-100VERA | 8 | Two-way power | • | - | • | • | • | - | - | • | • | • | - | - | - | - | 13.5x91x55 | 9.4x91x110.5 | 55 | - |

Mini-printers with battery operation can be used everywhere

- 12-digit display
- Battery operation,
- Mains operation optional
- Tax calculation
- Key rollover
- Currency conversion
- Profit calculation (cost/sell-margin)
- 150 correction steps
- After-Print function
- Reprint function
- Printing speed
2 lines/sec.
- Double zero key

**HR-8RCE**

- Available in white and black

**HR-150RCE**

- Mark up/mark down
- Average calculation
- 2 colour-print
- Delta %
- Built in backup battery
- Clock/Time stamp
- Item counter
- Backspace key

HR-200RCE

- Mark up/mark down
- Average calculation
- 2 colour-print
- Delta %
- Built in backup battery
- Clock/Time stamp
- Item counter
- Backspace key



Printing calculator for semi-professional use

- 12-digit display
- LC display with backlight
- Mains operation
- 2 colour-print
- Key rollover
- Mark up/mark down
- After-Print function
- Reprint function
- Clock/Time stamp
- Backspace key
- Profit calculation (cost/sell-margin)
- 150 correction steps
- Delta %
- Average calculation
- Built in backup battery
- Item counter
- Printing speed 2.0 lines/sec.
- Double zero key

**FR-2650RC**

| Model | Display | Digits | Dimensions HxWxD (mm) approx. | Currency conversion | Tax calculation | Check & correct | Simple algebraic logic | Profit calculation | Subtract | Grand total/Total | Re-and-After-Print | % | Delta % | MU/MID | | 3-digit comma markers | 2-color printing | Printing speed Lines/Sec. | Time calculation | Item counter | 5/4 | Cut | Up | Decimal selector | ADD mode | Battery | Backup Battery | AC adaptor | Ink-roll/Ink ribbon | Paper width (mm) | Approx. weight (g) |
|-----------|---------|--------|-------------------------------|---------------------|-----------------|-----------------|------------------------|--------------------|----------|-------------------|--------------------|---|---------|--------|---|-----------------------|------------------|---------------------------|------------------|--------------|-----|-----|---------|------------------|----------|---------|-------------------------|------------|---------------------|------------------|--------------------|
| HR-8RCE | LCD | 12 | 82x102x239 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.0 | - | - | - | - | 0, 2 | - | AAx4 | - | AD-A60024 ¹⁰ | IR-40 | 58 | 271 | |
| HR-150RCE | LCD | 12 | 65x165x295 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.0 | - | - | - | - | 0, 2, 3 | - | AAx4 | - | AD-A60024 ¹⁰ | IR-40T | 58 | 495 | |
| HR-200RCE | LCD | 12 | 65x195x313 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.0 | - | - | - | - | 0, 2, 3 | - | AAx4 | - | AD-A60024 ¹⁰ | IR-40T | 58 | 595 | |
| FR-2650RC | LCD | 12 | 65x195x313 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.0 | - | - | - | - | 0, 2, 3 | - | - | - | AD-A60024 | IR-40T | 58 | 620 | |

| Accessories | | Paper | | | | | | Ink roll | | | | | |
|-------------|------------------|--------------------------|--|--|----------------------|--|--|----------|--|--|------------------------|--|--|
| Model | Applicable model | Paper roll 57 mm - 5 pcs | | | P-5825 58 mm | | | IR-40 | | | IR-40T | | |
| | | All HR/FR-models | | | HR-8RCE (inner roll) | | | HR-8RCE | | | HR-150RCE HR-200RCE | | |

¹⁰optional

122OS-GENERALCAT

Technical changes and errors excepted. The image sizes do not correspond to the original sizes. The colors may differ slightly from the original.
C 2.2022



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