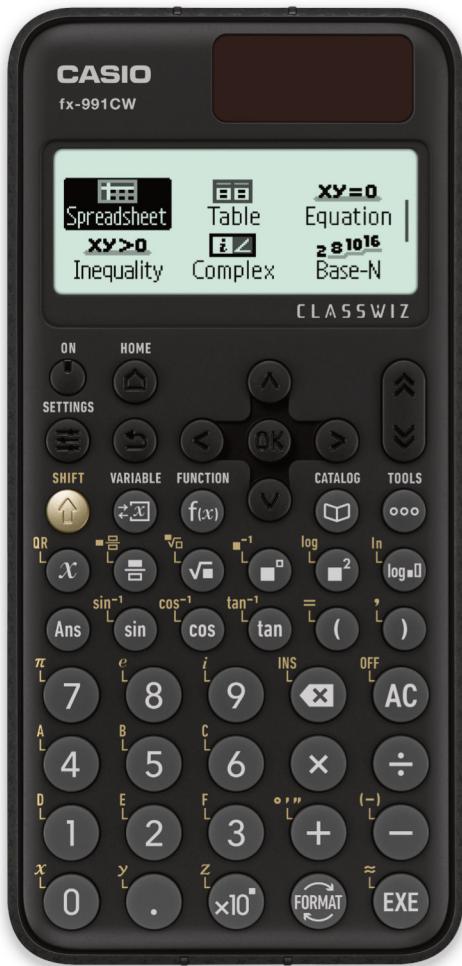


CLASSWIZ

The latest generation of the ClassWiz series.

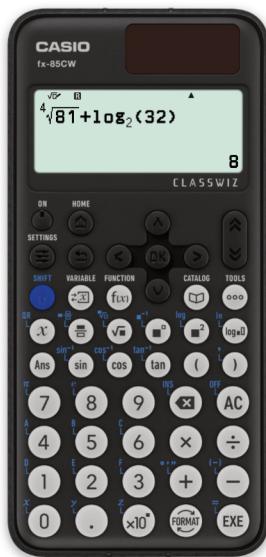


fx-991CW

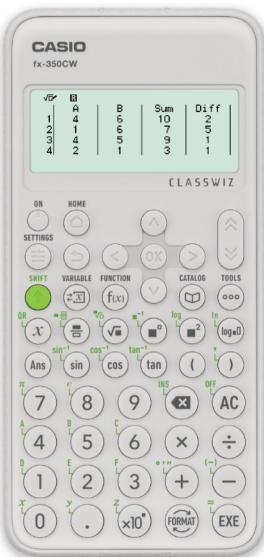
- Intuitive operating concept
- Text menu navigation
- 4-gradiation display
- Math Box
- QR code function
- Simple key layout and labeling



fx-82CW



fx-85CW



fx-350CW

Icon Menu



Operation

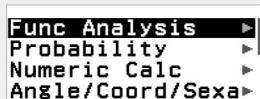


Table function

	x	f(x)	g(x)
2	2	-1	19
3	3	2	48
4	4	7	99
5	5	14	178

178

Math Box



fx-991CW

Main Functions

Equations

Polynomial equations up to 4th degree and additionally systems of equations with 4 unknowns can be solved with exact values and without approximation. The solution of an equation with Newton's method is also implemented.

$\text{ax}^2+\text{bx}+\text{c}$
 $\text{ax}^3+\text{bx}^2+\text{cx}+\text{d}$
 $\text{ax}^4+\text{bx}^3+\text{cx}^2+\text{dx}+\text{e}$

$\sqrt{\text{ax}^2+\text{bx}+\text{c}} = \text{0}$
 $\text{x}_1 = -\sqrt{6}$

Matrices

Operations such as determinant, transpose and unit matrix can be performed up to dimension 4x4. Conversion to reduced row level form (RREF) is also available.

MatA = $\begin{bmatrix} 2 & 1 & 3 \\ 4 & 3 & 1 \\ 2 & 3 & 1 \end{bmatrix}$

Matrix Squared
 Matrix Cubed
 Inverse Matrix
 Determinant

2

Vector calculation

Vectors up to the 3rd dimension can be calculated. The usual commands, such as scalar product, cross product, angle or unit vector are available.

$\text{VctA} \times \text{VctB}$

$\text{VctAns} = \begin{bmatrix} 4 \\ 3 \end{bmatrix}$
 -1

Integrals & Differentials

Differentials and integrals can be easily entered via templates and calculated numerically. Differentials and integrals are even available in the value table.

$\int_0^3 2x^2 dx$
 18

$\frac{d}{dx}(3x^3)|_{x=4}$
 144

QR-Code Function

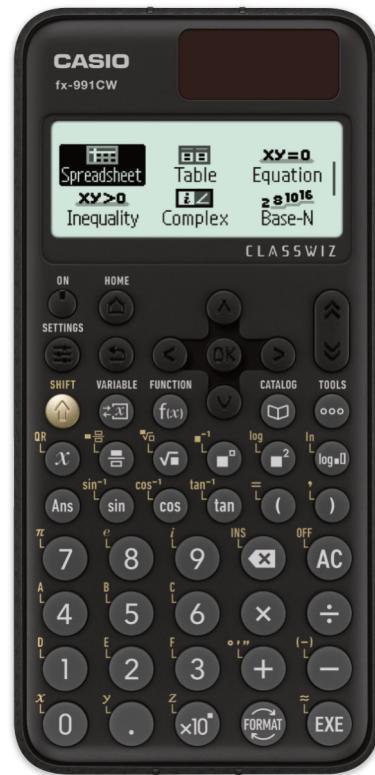
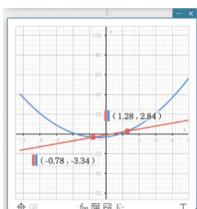
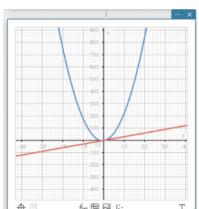
With the QR code function, results and functions of the calculator can be visualised with a smartphone or tablet.

$f(x) = 2x^2 + 3$
 $g(x) = 3f(x)$



Display and analysis on the smartphone

With the help of ClassPad.net, graphs, diagrams, operating aids and tables on the recorded data are displayed and optimally presented.



Function	fx-82CW	fx-85CW	fx-350CW	fx-991CW
4 gradation display	✓	✓	✓	✓
Icon menu	✓	✓	✓	✓
Value table	f(x) & g(x)	f(x) & g(x)	f(x) & g(x)	f(x) & g(x)
9 variable memories	✓	✓	✓	✓
Prime factorisation	✓	✓	✓	✓
Scientific constants	-	-	-	47
Unit conversions	-	-	-	164
Integral calculation	-	-	-	✓
Equations	-	-	-	✓
Matrix/vector operations	-	-	-	✓
Distribution functions	-	-	-	✓
Math Box	✓	✓	✓	✓
Spreadsheet	-	-	-	✓
QR-Code function	✓	✓	✓	✓
Energy supply	Battery	Battery + Solar	Battery	Battery + Solar