

Calculators in the Classroom

Supporting options for graphic scientific calculators



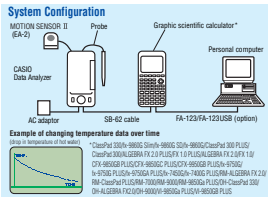
Data Analysis System

Quick and accurate collection supports data analysis.



- Collect data at rates of up to 50,000 points per second for up to 120,000 points.
- Compatible with the CASIO fx-7400 series, fx-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



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

All the functions of the ClassPad 330

OH-ClassPad 330 SET

Includes:

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

All the functions of the ALGEBRA FX 2.0 PLUS

OH-ALGEBRA FX 2.0 SET

Includes:

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

All the functions of the CFX-9850G PLUS

OH-9800 SET

Includes:

- Graphic scientific unit: OH-9800 (same functions as CFX-9850G PLUS)
- Projection unit: OH-15
- Data transfer cable: SB-62
- PC-Link cable: SB-62
- AC adaptor: AD-A60024
- CD-ROM for Windows® (Program Link software, fx-7400G PLUS, CFX-9850G PLUS and fx-9750GA PLUS function data)
- Carrying bag

OHP Projection Model

OH-9860

Makes lessons more interesting

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



A powerful classroom presentation tool!

OHP projects display contents onto a big screen!

OH-300ES PLUS

OH-300ES

OH-300MS

- OH-300ES PLUS provides the same powerful functions as the fx-82ES PLUS/82ES PLUS/5505S PLUS.
- OH-300ES provides the same powerful functions as the fx-82ES/82ES/5505S.
- OH-300MS provides the same powerful functions as the fx-82MS/82MS/5505MS.



Simply place this transparent option onto an OHP to project its image and explain both screen contents and key operations.

Software

ClassPad Manager for ClassPad 330 Ver. 3.0

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

Includes:

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

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

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

Includes:

- Classroom Activity Support Functions of the fx-9860G series: Key-Log File Creation and Screen Capture Function
- Screen Receiver Function: Allows real-time reproduction of the fx-9860G series' display on your PC screen.

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

fx-ES PLUS Emulator (for fx-82ES PLUS Series Ver. 1.0)

Easy emulator image resizing

Easy LCD window resizing

Easy captured LCD image resizing

System Requirements

Operating Systems: Windows® 2000, Windows® XP

For Windows Vista, operation is supported for 32-bit versions only. 64-bit versions are not supported.

FA-123USB Data Communication Package

*Supplies extremely limited

Scientific Calculators Specification Table

	Number of functions	(Over 1,500)**	Over 1,500	(Over 1,000)**	(Over 1,000)**	(Over 1,000)**	905	900	408	664	408	279
Specifications	Power supply (Main)	AAA x4	AAA x4	AAA x2	AAA x4	AAA x4	—	AAA x4	AAA x2	AAA x1 (SR03)	Two-year power (AAA x 8)	—
	Power supply (Backup)	—	CR2032 x 1	—	—	—	CR2032 x 1	CR2032 x 1	CR2032 x 1	—	—	—
	Approximate battery life (Main (hours))	140 (LR03)**	140 (LR03)**	300 (LR03)**	300 (LR03)**	300 (LR03)**	180 (R03)**	240 (R03)**	800 (R03)**	1 year**	3 years (LR44)**	3 years (LR44)**
	Approximate battery life (Backup (years))	—	2	—	5	5	2	2	2	—	—	—
	Dimensions (WxHxDmm)	21.84 x 183	18.5 x 82 x 17.8	20.7 x 122 x 8.9	24 x 82.5 x 184.5	24 x 82.5 x 184.5	24.5 x 90 x 182.5	21.6 x 87 x 179.5	23 x 85.5 x 189	15.1 x 81.5 x 183	12.2 x 88 x 181	11.8 x 88 x 159
	Approximate weight (g)	280	213	200	265	260	215	205	185	150	105	100
	Case style	Slip-on hard	Slip-on hard	Slip-on hard	Slip-on hard	Slip-on hard	Slip-on hard	Slip-on hard	Slip-on hard	Integrated hard	Slip-on hard	Slip-on hard
	Dot matrix display	160 x 240 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	64 x 128 dots	48 x 80 dots	31 x 96 dots	5 x 7 dots x 16 digits	5 x 6 dots x 12 digits
	Display capacity (characters)	20 x 17	21 x 8	21 x 8	21 x 8	21 x 8	21 x 8	21 x 8	13 x 5	16	16	12
	Mathematical expansion digits	10 x 3	10 x 2	10 x 2	10 x 2	10 x 2	10 x 2	10 x 2	10 (8 x 2)	10 x 2	10 x 2	10 x 2
Program Functions	Local memory	15	15	15	15	15	15	15	15	15	15	12
	Internal operation digits	15	15	15	15	15	15	15	15	15	15	12
	Number of power-on levels	Up to memory	26	26	26	26	26	26	26	26	24	24
	Program logic	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)	● (BASIC-like)
	Memory (bytes)	515,000	146,000	63,000	63,000	63,000	61,000	28,000	20,000	28,500	680	360
	Program areas	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	Up to memory	4	4
	Storage memory area (Flash memory)	5.3MB	768KB	1.5MB	1.5MB	1.5MB	—	—	—	128	23	—
	Build-in formulas	—	—	—	—	—	—	—	—	—	—	—
	Natural textbook display / NATURAL V.P.A.M.	●	—	●	●	●	—	—	—	—	—	—
	Key rollover function	●	—	●	●	●	—	—	—	—	—	—
Utilities	Recall function	●	—	●	●	●	—	—	—	—	—	—
	Multi-recall functions	●	—	●	●	●	—	—	—	—	—	—
	Recall copy	●	—	●	●	●	—	—	—	—	—	—
	Backspace	●	—	●	●	●	—	—	—	—	—	—
	CALC function	●	—	●	●	●	—	—	—	—	—	—
	SOLVE function	●	—	●	●	●	—	—	—	—	—	—
	Answer function	●	—	●	●	●	—	—	—	—	—	—
	Variables	Up to memory	28	28	28	28	28	28	28	28	28	28
	Onboard function manual	—	—	—	—	—	—	—	—	—	—	—
	Syntax help	—	—	—	—	—	—	—	—	—	—	—
Special Features	Auto power off	●	●	●	●	●	—	—	—	—	—	—
	Base = calculations (Binary/Octal/Hexadecimal)	●	●	●	●	●	—	—	—	—	—	—
	Logical operations	—	—	—	—	—	—	—	—	—	—	—
	Engineering symbol calculations	—	—	—	—	—	—	—	—	—	—	—
	Engineering notation (ENG/ENG)	—	—	—	—	—	—	—	—	—	—	—
	Scientific constants	—	—	—	—	—	—	—	—	—	40	40
	Math conversions	—	—	—	—	—	—	—	—	—	—	—
	Computer Algebra System	●	●	—	—	—	—	—	—	—	—	—
	Trigonometric, inverse trigonometric (sin, cos, tan, etc.)	●	●	●	●	●	—	—	—	—	—	—
	Exponential, logarithmic (log, ln, 10 ^x , e ^x)	●	●	●	●	●	—	—	—	—	—	—
Basic Functions	Base specified logarithmic	●	—	—	—	—	—	—	—	—	—	—
	Power and radical root (x ^y , x ^{1/y})	●	—	—	—	—	—	—	—	—	—	—
	Fraction	●	—	—	—	—	—	—	—	—	—	—
	Percentage calculation (%)	●	—	—	—	—	—	—	—	—	—	—
	Rounding	●	—	—	—	—	—	—	—	—	—	—
	Simplification	●	—	—	—	—	—	—	—	—	—	—
	Integer division	●	—	—	—	—	—	—	—	—	—	—
	Sexagesimal → decimal	●	—	—	—	—	—	—	—	—	—	—
	Display format (Fix, Sci)	●	—	—	—	—	—	—	—	—	—	—
	Angle unit (Deg, Rad, Grad)	●	—	—	—	—	—	—	—	—	—	—
Calculus	Angle unit conversion (Deg, Rad, Grad)	● / ● / —	—	—	—	—	—	—	—	—	—	—
	Factorization into prime factors	—	—	—	—	—	—	—	—	—	—	—
	Matrix calculation	—	—	—	—	—	—	—	—	—	—	—
	Differentiation calculation	—	—	—	—	—	—	—	—	—	—	—
	Integration calculation	—	—	—	—	—	—	—	—	—	—	—
	Simultaneous equation	●	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—	—	—	—
	Polynomial equation	●	● (Degree 2-30)	● (Degree 2-3)	● (Degree 2-3)	● (Degree 2-3)	● (Degree 2-3)	● (Degree 2-3)	—	—	—	—
	Inequality calculation	—	—	—	—	—	—	—	—	—	—	—
	Table function	—	—	—	—	—	—	—	—	—	—	—
	Matrix calculations	—	—	—	—	—	—	—	—	—	—	—
Geometry	Complex number calculation	—	—	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	—	—	—	—	—	—	—	—	—	—	—
	Vector calculations	—	—	—	—	—	—	—	—	—	—	—
	Combinatorics, permutation (nCr, nPr)	—	—	—	—	—	—	—	—	—	—	—
	Random numbers	—	—	—	—	—	—	—	—	—	—	—
	Random integers	—	—	—	—	—	—	—	—	—	—	—
	List-based STAT data editor	—	—	—	—	—	—	—	—	—	—	—
	Standard deviation	—	—	—	—	—	—	—	—	—	—	—
	Regression analysis	—	—	—	—	—	—	—	—	—	—	—
	Linear regression	—	—	—	—	—	—	—	—	—	—	—
Statistics	Advanced statistics	—	—	—	—	—	—	—	—	—	—	—
	Other regressions	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Med. Quad. Calc. Quant. Log. Exp. Pnt. Stat. Log.	Log. Exp. Pnt. In. Quad.	Log. Exp. Pnt. In. Quad.	Log. Exp. Pnt. In. Quad.	Log. Exp. Pnt. In. Quad.
	Financial function	—	—	—	—	—	—	—	—	—	—	—
	Spreadsheet	—	—	—	—	—	—	—	—	—	—	—
	eActivity	—	—	—	—	—	—	—	—	—	—	—
	Data communication	—	—	—	—	—	—	—	—	—	—	—
	Picture	—	—	—	—	—	—	—	—	—	—	—
	Presentations	—	—	—	—	—	—	—	—	—	—	—
	3D graph	—	—	—	—	—	—	—	—	—	—	—
	DIME Graph	—	—	—	—	—	—	—	—	—	—	—
Others	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions Backlight display	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—
	Recursions	—	—	—	—	—	—	—	—	—	—	—

* Continuous operation (assuming 5 minutes calculation and 35 minutes display per hour) ** Continuous display of main menu *1 1 hour use per day *2 Continuous display of flashing cursor *3 When left with power turned off *4 Changes when OS is updated