

Standard Models

		fx-82MS	fx-85MS	fx-350MS	fx-95MS	fx-100MS	fx-115MS	fx-991MS	fx-570MS	fx-992S
Specifications	Number of functions	240	240	240	244	300	300	401	401	383
	Power supply (Main)	AA x 1	Two-way power (Solar + LR44 x 1)	LR44 x 1	AA x 1	AA x 1	Two-way power (Solar + LR44 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 <sup>*2</sup> / 2 years <sup>*2</sup>	3 years (LR44) <sup>*1</sup>	9,000 <sup>*2</sup> / 3 years <sup>*3</sup>	17,000 <sup>*2</sup> / 2 years <sup>*2</sup>	17,000 <sup>*2</sup> / 2 years <sup>*2</sup>	3 years (LR44) <sup>*1</sup>	3 years (LR44) <sup>*1</sup>	9,000 <sup>*2</sup> / 3 years <sup>*3</sup>	3 years (LR44) <sup>*1</sup>
	Approximate battery life Backup (years)	—	—	—	—	—	—	—	—	—
	Dimensions H×W×D(mm)	18.6 × 85 × 156	12.2 × 85 × 155	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	8.8 × 73 × 144
	Approximate weight (g)	125	100	100	130	133	105	105	105	74.3
	Case style	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	Slide-on hard	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 × 5 dots × 4 digits
	Display capacity (characters)	12	12	12	12	12	12	12	12	—
	Mantissa + exponent digits	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	10 + 2	12 + 2
	Icon menus	—	—	—	—	—	—	—	—	—
	Internal operation digits	15	15	15	12	12	12	12	12	14
Nested parentheses levels	24	24	24	24	24	24	24	24	18	
Programming Functions	Program logic	—	—	—	—	—	—	—	—	—
	Memory (bytes)	—	—	—	—	—	—	—	—	—
	Program areas	—	—	—	—	—	—	—	—	—
	Storage memory area (Flash memory)	—	—	—	—	—	—	—	—	—
	Built-in formulas	—	—	—	—	—	—	—	—	—
Utilities	Natural textbook display / NATURAL-V.P.A.M.	—	—	—	—	—	—	—	—	—
	Key rollover function	●	●	●	●	●	●	●	●	●
	Replay function	●	●	●	●	●	●	●	●	—
	Multi-replay functions	●	●	●	●	●	●	●	●	—
	Replay copy	—	—	—	—	—	—	—	—	—
	Backspace	●	●	●	●	●	●	●	●	●
	CALC function	—	—	—	—	●	●	●	●	—
	SOLVE function	—	—	—	—	●	●	●	●	—
	Answer function	●	●	●	●	●	●	●	●	●
	Variables	9	9	9	9	9	9	9	9	7
	Onboard function manual	—	—	—	—	—	—	—	—	—
	Syntax help	—	—	—	—	—	—	—	—	—
Auto power off	●	●	●	●	●	●	●	●	●	
Special Features	Base- <i>n</i> calculations (Binary/Octal/Hexadecimal)	—	—	—	—	●	●	●	●	●
	Logical operations	—	—	—	—	●	●	●	●	●
	Engineering symbol calculations	—	—	—	—	●	●	●	●	●
	Engineering notation (ENG/ENG)	●	●	●	●	●	●	●	●	●
	Scientific constants	—	—	—	—	—	—	40	40	128
	Metric conversions	—	—	—	—	—	—	40	40	—
CAS	Computer Algebra System	—	—	—	—	—	—	—	—	—
Basic Functions	Trigonometric, inverse trigonometric (sin/cos/tan/sin <sup>-1</sup> /cos <sup>-1</sup> /tan <sup>-1</sup> )	●	●	●	●	●	●	●	●	●
	Hyperbolic, inverse hyperbolic (sinh/cosh/tanh/sinh <sup>-1</sup> /cosh <sup>-1</sup> /tanh <sup>-1</sup> )	●	●	●	●	●	●	●	●	●
	Exponential, logarithmic (log, ln, 10 <sup>x</sup> , e <sup>x</sup> )	●	●	●	●	●	●	●	●	●
	Base specified logarithmic	—	—	—	—	—	—	—	—	—
	Power and radical root (x <sup>y</sup> /x <sup>√</sup> )	●	●	●	●	●	●	●	●	●
	Fraction	●	●	●	●	●	●	●	●	●
	Percentage calculation (%)	●	●	●	●	●	●	●	●	●
	Rounding	●	●	●	●	●	●	●	●	●
	Simplification	—	—	—	—	—	—	—	—	—
	Integer division	—	—	—	—	—	—	—	—	—
	GCD/LCM	—	—	—	—	—	—	—	—	—
	Sexagesimal ↔ decimal	●	●	●	●	●	●	●	●	●
	Display format (FIX, SCI)	●	●	●	●	●	●	●	●	●
	Angle unit (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	●
	Angle unit conversion (Deg, Rad, Grad)	●	●	●	●	●	●	●	●	—
Factorization into prime factors	—	—	—	—	—	—	—	—	—	
Ratio calculation	—	—	—	—	—	—	—	—	—	
Calculus	Differentiation calculation	—	—	—	—	●	●	●	●	—
	Integration calculation	—	—	—	—	●	●	●	●	—
Algebra	Simultaneous equation	—	—	—	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	● (3 unknowns)	—
	Polynomial equation	—	—	—	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	● (Degree 2, 3)	—
	Inequality calculation	—	—	—	—	—	—	—	—	—
	Table function	—	—	—	—	—	—	—	—	—
	Matrix calculations	—	—	—	—	—	—	●	●	—
Complex number calculation	—	—	—	—	●	●	●	●	●	
Geometry	Geometry Application	—	—	—	—	—	—	—	—	—
	Coordinate conversion (Pol, Rec)	●	●	●	●	●	●	●	●	●
	Vector calculations	—	—	—	—	—	—	●	●	—
Probability	Combination, permutation ( <i>n</i> C <i>r</i> , <i>n</i> P <i>r</i> )	●	●	●	●	●	●	●	●	●
Statistics	Random numbers	●	●	●	●	●	●	●	●	—
	Random integers	—	—	—	—	—	—	—	—	—
	List-based STAT data editor	●	●	●	●	●	●	●	●	—
	Standard deviation	●	●	●	●	●	●	●	●	—
	Regression analysis	●	●	●	●	●	●	●	●	●
	Linear regression	●	●	●	●	●	●	●	●	●
	<i>a</i> / <i>b</i> Exponential regression	—	—	—	—	—	—	—	—	—
	Advanced statistics	—	—	—	—	—	—	—	—	—
Other regressions	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	Log, Exp, Pwr, Inv, Quad	—	
Finance	Financial function	—	—	—	—	—	—	—	—	—
Spreadsheet	Spreadsheet	—	—	—	—	—	—	—	—	—
Others	eActivity	—	—	—	—	—	—	—	—	—
	Data communication	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M.	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	S-V.P.A.M., Normal distribution	V.P.A.M.
	Others	—	—	—	—	—	—	—	—	—

\*1 1 hour use per day \*2 Continuous display of flashing cursor \*3 When left with power turned off