SHARP® CALCULATORS

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RATE SET
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Pocket calculators

EL-233S

› Display Type	Flat
› Number of Display Digits	8
› Power Source	Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	103 × 60 × 8 mm
› Weight	35 g

› Memory	3 keys
› Percent (%)	√
› Root (√)	√

EL-243E

› Display Type	Flat
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Rubber
› Protective Case	√
› Dimensions	105 × 64 × 11 mm
› Weight	51 g

› Currency Conversion	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√

EL-243S

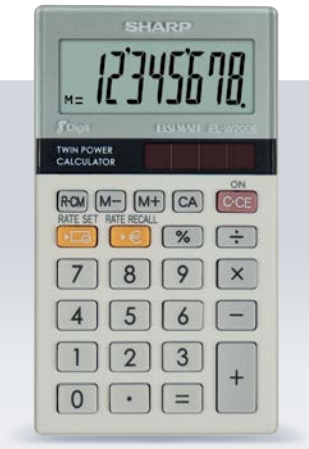
› Display Type	Flat
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Rubber
› Protective Case	√
› Dimensions	105 × 64 × 11 mm
› Weight	51 g

› Memory	3 keys
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√

EL-W200E

› Display Type	Flat
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	CR2016 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	105 × 60 × 8 mm
› Weight	45 g

› Currency Conversion	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√



EL-W200G

› Display Type	Flat
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	CR2016 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	105 × 60 × 8 mm
› Weight	45 g

› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√

EL-250S

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	116 × 71 × 17 mm
› Weight	58 g

› Tax Calculation +/–	√
› Memory	4 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Decimal Setting	F, 2, 0

EL-R277

Eco model

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar Cell
› Battery Type	×
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	117 × 70 × 21 mm
› Weight	65 g

› Memory	4 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√

EL-240SA

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	116 × 71 × 17 mm
› Weight	58 g

› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Decimal Setting	F, 2, 0
› Last Answer Function	√

EL-W211GGY

› Display Type	Flat
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	CR2016 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	117 × 70 × 8 mm
› Weight	56 g

› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√

Comparison table

	EL-233S	EL-243E	EL-243S	EL-W200E	EL-W200G	EL-250S	EL-R277	EL-240SA	EL-W211GGY
Basic Description									
Display Type	Flat	Flat	Flat	Flat	Flat	Angled	Angled	Angled	Flat
Number of Display Digits	8	8	8	8	8	8	8	8	10
Power Source	Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar	Solar & Battery	Solar & Battery
Battery Type	LR54 × 1	LR54 × 1	LR54 × 1	CR2016 × 1	CR2016 × 1	LR54 × 1	×	LR54 × 1	CR2016 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√
Keys	Plastic	Rubber	Rubber	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Protective Case	×	√	√	×	×	×	×	×	×
Dimensions (mm)	103 × 60 × 8	105 × 64 × 11	105 × 64 × 11	105 × 60 × 8	105 × 60 × 8	116 × 71 × 17	117 × 70 × 21	116 × 71 × 17	117 × 70 × 8
Weight (g)	35	51	51	45	45	58	65	58	56
Features									
Currency Conversion	×	√	×	√	×	×	×	×	×
Cost/Sell/Margin Calculation	×	×	×	×	×	×	×	×	×
Tax Calculation +/–	×	×	×	×	√	√	×	×	√
Memory	3 keys	3 keys	3 keys	3 keys	3 keys	4 keys	4 keys	3 keys	3 keys
Double Zero Key (00)	×	×	×	×	×	×	×	×	×
3-Digit Punctuation	×	√	×	√	√	√	√	√	√
Percent (%)	√	√	√	√	√	√	√	√	√
Root (√)	√	×	√	×	×	×	√	√	×
Sign Change (+/–)	×	×	√	×	×	×	√	√	×
Decimal Setting	×	×	×	×	×	F, 2, 0	×	F, 2, 0	×
Last Answer Function	×	×	×	×	×	×	×	√	×

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Desktop calculators

EL-M700G

Classic Design

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	116 × 87 × 29 mm
› Weight	85 g

› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√

EL-310AN

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	125 × 77 × 10 mm
› Weight	75 g

› Memory	4 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√

EL-M700T

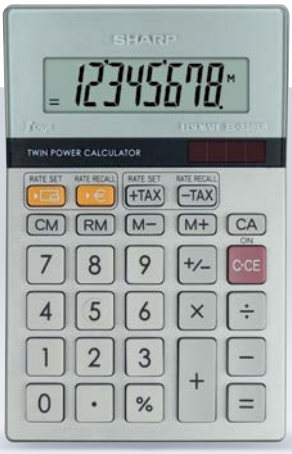
› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	125 × 77 × 10 mm
› Weight	55 g

› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√

EL-330ER

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	148 × 102 × 15 mm
› Weight	125 g

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	4 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√



EL-330F

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	147 × 102 × 31 mm
› Weight	96 g

› Cost/Sell/Margin Calculation	√
› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√

EL-M710G

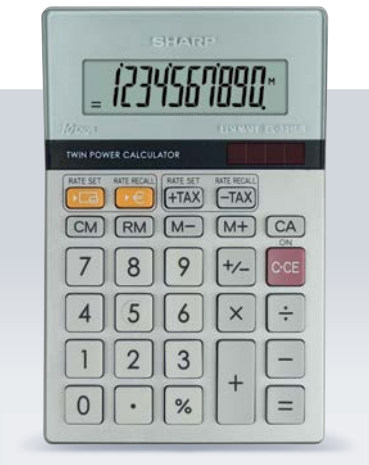
› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	152 × 100 × 33 mm
› Weight	130 g

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	3 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√

EL-310W

› Display Type	Angled
› Number of Display Digits	8
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	122 × 85 × 26 mm
› Weight	90 g

› Tax Calculation +/–	√
› Memory	4 keys
› Tlačítko dvojitá nula (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Correction Key	√



EL-331ER

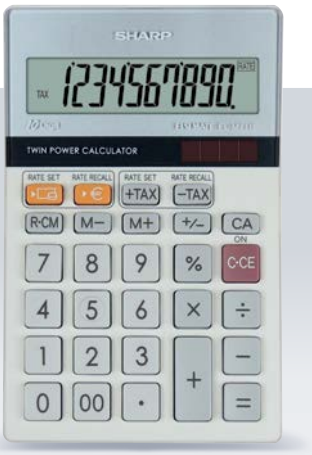
› Display Type	Angled
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	148 × 102 × 15 mm
› Weight	125 g

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	4 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√

EL-M711E

› Display Type	Angled
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	152 × 100 × 33 mm
› Weight	130 g

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	3 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√



EL-M711G

› Display Type	Angled
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	152 × 100 × 33 mm
› Weight	130 g

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	3 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√

EL-334F

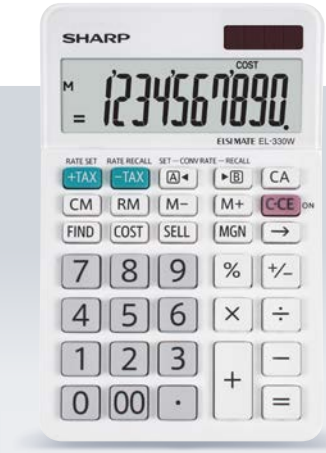
› Display Type	Flat
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Kickstand	√
› Dimensions	170 × 108 × 15 mm
› Weight	160 g

› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√

EL-377W

› Display Type	Flat
› Number of Display Digits	10
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Rubber
› Dimensions	120 × 71 × 10 mm
› Weight	62 g

› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Correction Key	√



EL-330W

Display Type	Angled
Number of Display Digits	10
Power Source	Solar & Battery
Battery Type	LR44 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	152 × 94 × 28 mm
Weight	121 g

Currency Conversion	√
Cost/Sell/Margin Calculation	√
Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Sign Change (+/–)	√
Correction Key	√

EL-M332

Display Type	Angled
Number of Display Digits	10
Power Source	Solar & Battery
Battery Type	CR2032 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	149 × 100 × 27 mm
Weight	122 g

Currency Conversion	√
Tax Calculation +/–	√
Memory	3 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Root (√)	√
Sign Change (+/–)	√
Correction Key	√
Decimal Setting	F, 2, 0

EL-128C

Display Type	Angled
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR54 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	155 × 97 × 12 mm
Weight	95 g

Tax Calculation +/–	√
Memory	3 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Correction Key	√
Check & Correct Function	√

EL-320W

Display Type	Tilt Adjustable
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	CR2032 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	97 × 153 × 18 mm
Weight	115 g

Tax Calculation +/–	√
Memory	3 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Correction Key	√
Decimal Setting	F, 2, 0

EL-R287

Eco model

› Display Type	Flat
› Number of Display Digits	12
› Power Source	Solar & Battery
› Battery Type	CR2032 × 1
› Automatic Power Down	√
› Keys	Plastic
› Kickstand	√
› Dimensions	170 × 108 × 15 mm
› Weight	160 g

› Cost/Sell/Margin Calculation	√
› Memory	3 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√

EL-128S

› Display Type	Angled
› Number of Display Digits	12
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	155 × 97 × 12 mm
› Weight	95 g

› Cost/Sell/Margin Calculation	√
› Tax Calculation +/–	√
› Memory	3 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Correction Key	√

EL-338GN

› Display Type	Angled
› Number of Display Digits	12
› Power Source	Solar & Battery
› Battery Type	CR2032 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	185 × 125 × 31 mm
› Weight	165 g

› Cost/Sell/Margin Calculation	√
› Tax Calculation +/–	√
› Memory	3 keys
› 3-Digit Punctuation	√
› Percent (%)	√
› Grand Total (GT)	√
› Decimal Setting	F, 3, 2, 0, A
› Round Up/Down	√

EL-124T

› Display Type	Angled
› Number of Display Digits	12
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	152 × 96 × 12 mm
› Weight	105 g

› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√

EL-125T

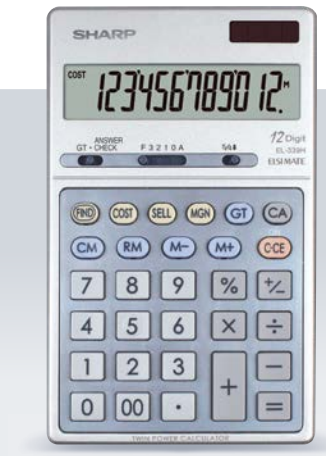
Display Type	Angled
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR54 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	176 × 112 × 13 mm
Weight	125 g

Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Root (√)	√
Sign Change (+/–)	√
Correction Key	√
Grand Total (GT)	√

EL-126R

Display Type	Angled
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR54 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	155 × 97 × 12 mm
Weight	95 g

Currency Conversion	√
Tax Calculation +/–	√
Memory	3 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Root (√)	√
Sign Change (+/–)	√
Correction Key	√
Grand Total (GT)	√



EL-339H

Display Type	Flat
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR44 × 1
Automatic Power Down	√
Keys	Plastic
Kickstand	√
Dimensions	175 × 108 × 23 mm
Weight	164 g

Cost/Sell/Margin Calculation	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Sign Change (+/–)	√
Grand Total (GT)	√
Decimal Setting	F, 3, 2, 1, 0, A
Round Up/Down	√
Answer Check	√

EL-R297

Eco model

Display Type	Flat
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	CR2032 × 1
Automatic Power Down	√
Keys	Plastic
Kickstand	√
Dimensions	200 × 133 × 18 mm
Weight	228 g

Cost/Sell/Margin Calculation	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Root (√)	√
Sign Change (+/–)	√
Correction Key	√
Grand Total (GT)	√
Decimal Setting	F, 3, 2, 0, A

EL-337C

Display Type	Tilt Adjustable
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR44 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	175 × 108 × 22 mm
Weight	165 g

Currency Conversion	√
Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Sign Change (+/–)	√
Grand Total (GT)	√
Resume Function	√
Decimal Setting	F, 3, 2, 0, A
Round Up/Down	√
Answer Check	√

EL-340W

Display Type	Tilt Adjustable
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	CR2032 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	189 × 127 × 18 mm
Weight	195 g

Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Root (√)	√
Změna znaménka (+/–)	√
Sign Change (+/–)	√
Grand Total (GT)	√
Mark-up/-down (MU)	√
Decimal Setting	F, 3, 2, 0, A
Round Up/Down	√

EL-364

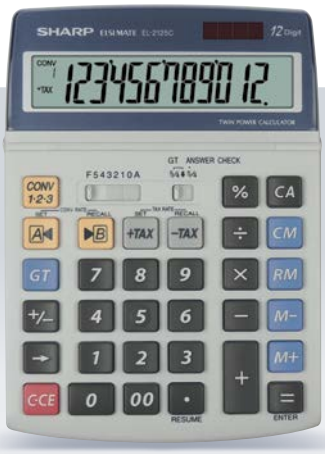
Display Type	Flat
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	CR2025 × 1
Automatic Power Down	√
Keys	Plastic
Kickstand	√
Dimensions	176 × 110 × 13 mm
Weight	180 g

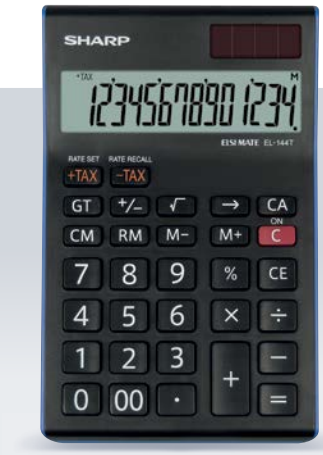
Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Sign Change (+/–)	√
Correction Key	√
Grand Total (GT)	√
Resume Function	√
Decimal Setting	F, 5, 4, 3, 2, 0, A
Round Up/Down	√
Answer Check	√

EL-2125C

Display Type	Tilt Adjustable
Number of Display Digits	12
Power Source	Solar & Battery
Battery Type	LR44 × 1
Automatic Power Down	√
Keys	Plastic
Dimensions	195 × 140 × 23 mm
Weight	215 g

Currency Conversion	√
Tax Calculation +/–	√
Memory	4 keys
Double Zero Key (00)	√
3-Digit Punctuation	√
Percent (%)	√
Sign Change (+/–)	√
Correction Key	√
Grand Total (GT)	√
Resume Function	√
Decimal Setting	F, 5, 4, 3, 2, 1, 0, A
Round Up/Down	√
Answer Check	√

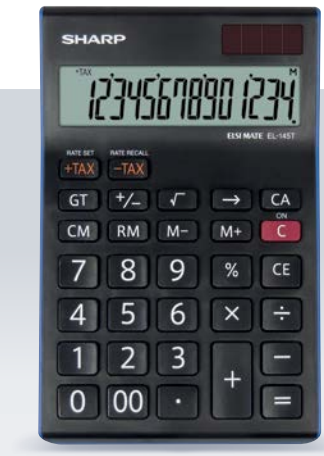




EL-144T

› Display Type	Angled
› Number of Display Digits	14
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	155 × 97 × 12 mm
› Weight	95 g

› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√



EL-145T

› Display Type	Angled
› Number of Display Digits	14
› Power Source	Solar & Battery
› Battery Type	LR54 × 1
› Automatic Power Down	√
› Keys	Plastic
› Dimensions	176 × 112 × 13 mm
› Weight	125 g

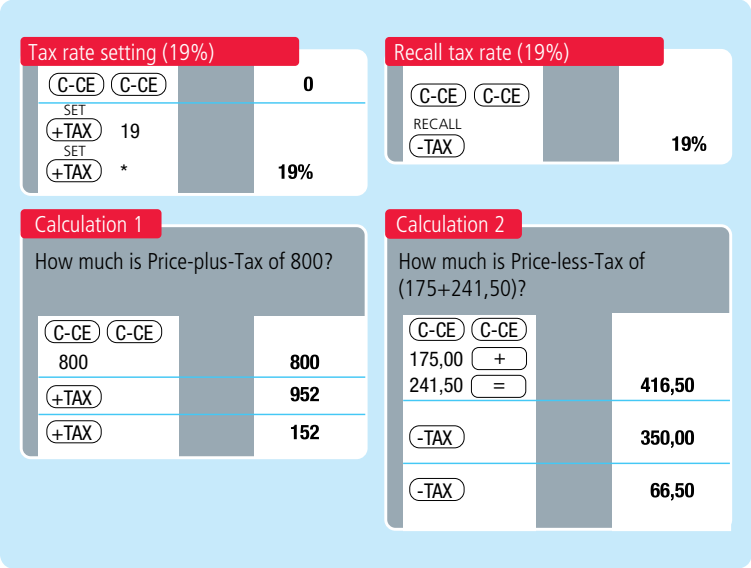
› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Root (√)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√

Smart Features

±TAX

Tax Calculation

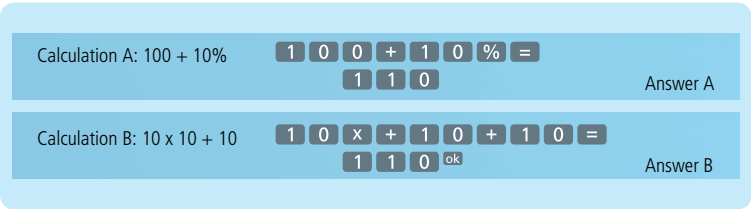
Easily calculates prices with or without taxes. Models featuring convenient tax calculation keys save you time by simplifying complex calculations. Just press the relevant key to add or subtract predetermined tax rates at a touch.



ANSWER CHECK

Answer Check

An "OK" sign appears when the calculation being checked matches the result of the first.



SHARP

Comparison table

	EL-M700G	EL-310AN	EL-M700T	EL-330ER	EL-330F	EL-M710G	EL-310W	EL-331ER	EL-M711E	EL-M711G
Basic Description										
Display Type	Angled	Angled	Angled	Angled	Angled	Angled	Angled	Angled	Angled	Angled
Number of Display Digits	8	8	8	8	8	8	8	10	10	10
Power Source	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery
Battery Type	LR44 × 1	LR54 × 1	LR54 × 1	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√	√
Keys	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Kickstand	×	×	×	×	×	×	×	×	×	×
Dimensions (mm)	116 × 87 × 29	125 × 77 × 10	125 × 77 × 10	148 × 102 × 15	147 × 102 × 31	152 × 100 × 33	122 × 85 × 26	148 × 102 × 15	152 × 100 × 33	152 × 100 × 33
Weight (g)	85	75	55	125	96	130	90	125	130	130
Features										
Currency Conversion	×	×	×	√	×	√	×	√	√	√
Cost/Sell/Margin	×	×	×	×	√	×	×	×	×	×
Tax Calculation +/–	√	×	√	√	√	√	√	√	√	√
Memory	3 keys	4 keys	3 keys	4 keys	3 keys	3 keys	4 keys	4 keys	3 keys	3 keys
Double Zero Key (00)	×	×	×	×	×	√	√	×	√	√
3-Digit Punctuation	√	√	√	√	√	√	√	√	√	√
Percent (%)	√	√	√	√	√	√	√	√	√	√
Root (√)	×	√	√	×	×	×	√	×	×	×
Sign Change (+/–)	×	√	√	√	√	√	√	√	√	√
Correction Key	×	×	×	×	×	×	√	×	×	×
Grand Total (GT)	×	×	×	×	×	×	×	×	×	×
Item Counter	×	×	×	×	×	×	×	×	×	×
Mark-up/-down (MU)	×	×	×	×	×	×	×	×	×	×
Day/Date Calculation	×	×	×	×	×	×	×	×	×	×
Resume Function	×	×	×	×	×	×	×	×	×	×
Decimal Setting	×	×	×	×	×	×	×	×	×	×
Round Up/Down	×	×	×	×	×	×	×	×	×	×
Answer Check	×	×	×	×	×	×	×	×	×	×
Check & Correct Function	×	×	×	×	×	×	×	×	×	×

Comparison table

	EL-334F	EL-377W	EL-330W	EL-M332	EL-128C	EL-320W	EL-R287	EL-128S	EL-338GN	EL-124T
Basic Description										
Display Type	Flat	Flat	Angled	Angled	Angled	Tilt Adjustable	Flat	Angled	Angled	Angled
Number of Display Digits	10	10	10	10	12	12	12	12	12	12
Power Source	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery
Battery Type	LR44 × 1	LR54 × 1	LR44 × 1	CR2032 × 1	LR54 × 1	CR2032 × 1	CR2032 × 1	LR54 × 1	CR2032 × 1	LR44 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√	√
Keys	Plastic	Rubber	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Kickstand	√	√	×	×	×	×	√	×	×	×
Dimensions (mm)	170 × 108 × 15	120 × 71 × 10	152 × 94 × 28	149 × 100 × 27	155 × 97 × 12	97 × 153 × 18	170 × 108 × 15	155 × 97 × 12	185 × 125 × 31	152 × 96 × 12
Weight (g)	160	62	121	122	95	115	160	95	165	105
Features										
Currency Conversion	×	×	√	√	×	×	×	×	×	×
Cost/Sell/Margin	×	×	√	×	×	×	√	√	√	×
Tax Calculation +/–	√	√	√	√	√	√	×	√	√	√
Memory	4 keys	4 keys	4 keys	3 keys	3 keys	3 keys	3 keys	3 keys	3 keys	4 keys
Double Zero Key (00)	√	√	√	√	√	√	√	√	×	√
3-Digit Punctuation	√	√	√	√	√	√	√	√	√	√
Percent (%)	√	√	√	√	√	√	√	√	√	√
Root (√)	×	√	×	√	×	×	×	√	×	√
Sign Change (+/–)	√	√	√	√	×	×	√	×	×	√
Correction Key	√	√	√	√	√	√	√	√	×	√
Grand Total (GT)	√	×	×	×	×	×	×	×	√	√
Item Counter	×	×	×	×	×	×	×	×	×	×
Mark-up/-down (MU)	×	×	×	×	×	×	×	×	×	×
Day/Date Calculation	×	×	×	×	×	×	×	×	×	×
Resume Function	×	×	×	×	×	×	×	×	×	×
Decimal Setting	×	×	×	F, 2, 0	×	F, 2, 0	×	×	F, 3, 2, 0, A	×
Round Up/Down	×	×	×	×	×	×	×	×	√	×
Answer Check	×	×	×	×	×	×	×	×	×	×
Check & Correct Function	×	×	×	×	√	×	×	×	×	×

Comparison table

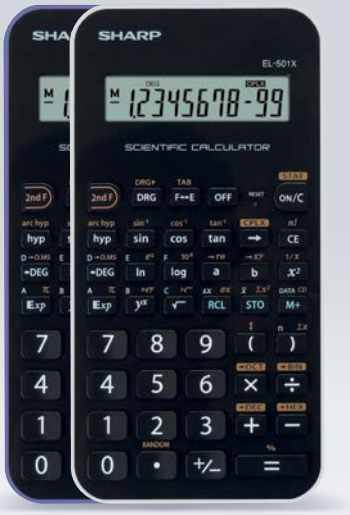
	EL-125T	EL-126R	EL-339H	EL-R297	EL-337C	EL-340W	EL-364	EL-2125C	EL-144T	EL-145T
Basic Description										
Display Type	Angled	Angled	Flat	Flat	Tilt Adjustable	Tilt Adjustable	Flat	Tilt Adjustable	Angled	Angled
Number of Display Digits	12	12	12	12	12	12	12	12	14	14
Power Source	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery
Battery Type	LR54 × 1	LR54 × 1	LR44 × 1	CR2032 × 1	LR44 × 1	CR2032 × 1	CR2025 × 1	LR44 × 1	LR54 × 1	LR54 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√	√
Keys	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Kickstand	×	×	√	√	×	×	√	×	×	×
Dimensions (mm)	176 × 112 × 13	155 × 97 × 12	175 × 108 × 23	200 × 133 × 18	175 × 108 × 22	189 × 127 × 18	176 × 110 × 13	195 × 140 × 23	155 × 97 × 12	176 × 112 × 13
Weight (g)	125	95	164	228	165	195	180	215	95	125
Features										
Currency Conversion	×	√	×	×	√	×	×	√	×	×
Cost/Sell/Margin	×	×	√	√	×	×	×	×	×	×
Tax Calculation +/–	√	√	×	×	√	√	√	√	√	√
Memory	4 keys	3 keys	4 keys	4 keys	4 keys	4 keys	4 keys	4 keys	4 keys	4 keys
Double Zero Key (00)	√	√	√	√	√	√	√	√	√	√
3-Digit Punctuation	√	√	√	√	√	√	√	√	√	√
Percent (%)	√	√	√	√	√	√	√	√	√	√
Root (√)	√	√	×	√	×	√	×	×	√	√
Sign Change (+/–)	√	√	√	√	√	√	√	√	√	√
Correction Key	√	√	×	√	×	√	√	√	√	√
Grand Total (GT)	√	√	√	√	√	√	√	√	√	√
Item Counter	×	×	×	×	×	×	×	×	×	×
Mark-up/-down (MU)	×	×	×	×	×	√	×	×	×	×
Day/Date Calculation	×	×	×	×	×	×	×	×	×	×
Resume Function	×	×	×	×	√	×	√	√	×	×
Decimal Setting	×	×	F, 3, 2, 1, 0, A	F, 3, 2, 0, A	F, 3, 2, 0, A	F, 3, 2, 0, A	F, 5, 4, 3, 2, 0, A	F, 5, 4, 3, 2, 1, 0, A	×	×
Round Up/Down	×	×	√	×	√	√	√	√	×	×
Answer Check	×	×	√	×	√	×	√	√	×	×
Check & Correct Function	×	×	×	×	×	×	×	×	×	×

Educational calculators

EL-501X

› Display Type	1 line
› Number of Display Digits	10
› Power Source	Battery
› Battery Type	LR54 × 2
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	144 × 75 × 10 mm
› Weight	73 g
› Built-In Functions	131
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√

› Pi Key	√
› Complex Number Calculation	√
› Memory Variables	1
› 1-Variable Statistics	√
› Mean, Standard Deviation	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Oct, Hex, Dec	√



EL-531X

› Display Type	2 lines
› Number of Display Digits	10
› Power Source	Battery
› Battery Type	AAA × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	158 × 80 × 14 mm
› Weight	101 g
› Built-In Functions	272
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√

› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	6
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-531XH

› Display Type	2 lines
› Number of Display Digits	10
› Power Source	Battery
› Battery Type	AAA × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	158 × 80 × 14 mm
› Weight	101 g
› Built-In Functions	272
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√

› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	6
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-531XG

› Display Type	2 lines	› Memory Variables	9
› Number of Display Digits	10	› FSE Display (SCI, FIX, ENG)	√
› Power Source	Solar & Battery	› 3-Digit Punctuation	√
› Battery Type	LR44 × 1	› 1-Variable Statistics	√
› Automatic Power Down	√	› 2-Variable Statistics	√
› Keys	Plastic	› Regression Calculations	6
› Protective Case	√	› Mean, Standard Deviation	√
› Dimensions	158 × 80 × 14 mm	› nCr, nPr, n!	√
› Weight	95 g	› Random Numbers	√
› Built-In Functions	272	› Deg, Rad, Grad Modes	√
› Entry System	Algebraic (D.A.L.)	› Sin, Cos, Tan, and Inverses	√
› 1/x, x², square root, %	√	› Hyperbolic Functions	√
› Pi Key	√	› Sexagesimal and Decimal Conversions	√
› Fractions	√	› Rectang. and Polar Coordinates Convers.	√
› Multi-Line Playback	√	› Bin, Pen, Oct, Hex, Dec	√
› Last Answer Recall (ANS)	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-531TH

› Display Type	2 lines	› Memory Variables	9
› Number of Display Digits	10	› FSE Display (SCI, FIX, ENG)	√
› Power Source	Battery	› 3-Digit Punctuation	√
› Battery Type	AAA × 1	› 1-Variable Statistics	√
› Automatic Power Down	√	› 2-Variable Statistics	√
› Keys	Plastic	› Regression Calculations	6
› Protective Case	√	› Mean, Standard Deviation	√
› Dimensions	161 × 80 × 15 mm	› nCr, nPr, n!	√
› Weight		› Random Numbers	√
› Built-In Functions	273	› Deg, Rad, Grad Modes	√
› Entry System	Algebraic (D.A.L.)	› Sin, Cos, Tan, and Inverses	√
› 1/x, x², square root, %	√	› Hyperbolic Functions	√
› Pi Key	√	› Sexagesimal and Decimal Conversions	√
› Fractions	√	› Rectang. and Polar Coordinates Convers.	√
› Multi-Line Playback	√	› Bin, Pen, Oct, Hex, Dec	√
› Last Answer Recall (ANS)	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-531TG

› Display Type	2 lines	› Memory Variables	9
› Number of Display Digits	10	› FSE Display (SCI, FIX, ENG)	√
› Power Source	Solar & Battery	› 3-Digit Punctuation	√
› Battery Type	LR44 × 1	› 1-Variable Statistics	√
› Automatic Power Down	√	› 2-Variable Statistics	√
› Keys	Plastic	› Regression Calculations	6
› Protective Case	√	› Mean, Standard Deviation	√
› Dimensions	161 × 80 × 15 mm	› nCr, nPr, n!	√
› Weight		› Random Numbers	√
› Built-In Functions	273	› Deg, Rad, Grad Modes	√
› Entry System	Algebraic (D.A.L.)	› Sin, Cos, Tan, and Inverses	√
› 1/x, x², square root, %	√	› Hyperbolic Functions	√
› Pi Key	√	› Sexagesimal and Decimal Conversions	√
› Fractions	√	› Rectang. and Polar Coordinates Convers.	√
› Multi-Line Playback	√	› Bin, Pen, Oct, Hex, Dec	√
› Last Answer Recall (ANS)	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-520X

› Display Type	2 lines	› Last Answer Recall (ANS)	√
› Number of Display Digits	10	› Memory Variables	9
› Power Source	Solar & Battery	› FSE Display (SCI, FIX, ENG)	√
› Battery Type	LR44 × 1	› 3-Digit Punctuation	√
› Automatic Power Down	√	› 1-Variable Statistics	√
› Keys	Plastic	› 2-Variable Statistics	√
› Protective Case	√	› Regression Calculations	6
› Dimensions	158 × 80 × 14 mm	› Mean, Standard Deviation	√
› Weight	95 g	› nCr, nPr, n!	√
› Built-In Functions	419	› Random Numbers	√
› Entry System	Algebraic (D.A.L.)	› Deg, Rad, Grad Modes	√
› 1/x, x², square root, %	√	› Sin, Cos, Tan, and Inverses	√
› Pi Key	√	› Hyperbolic Functions	√
› Fractions	√	› Sexagesimal and Decimal Conversions	√
› Equation Solver (Newton)	√	› Rectang. and Polar Coordinates Convers.	√
› System of Linear Equations	√	› Bin, Pen, Oct, Hex, Dec	√
› Numeric Derivative and Integral	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Complex Number Calculation	√	› Metric Conversions	√
› Multi-Line Playback	√	› Physical Constants	√

EL-520XG

› Display Type	2 lines	› FSE Display (SCI, FIX, ENG)	√
› Number of Display Digits	10	› 3-Digit Punctuation	√
› Power Source	Solar & Battery	› 1-Variable Statistics	√
› Battery Type	LR44 × 1	› 2-Variable Statistics	√
› Automatic Power Down	√	› Regression Calculations	6
› Keys	Plastic	› Mean, Standard Deviation	√
› Protective Case	√	› nCr, nPr, n!	√
› Dimensions	158 × 80 × 14 mm	› Random Numbers	√
› Weight	95 g	› Deg, Rad, Grad Modes	√
› Built-In Functions	400+	› Sin, Cos, Tan, and Inverses	√
› Entry System	Algebraic (D.A.L.)	› Hyperbolic Functions	√
› 1/x, x², square root, %	√	› Sexagesimal and Decimal Conversions	√
› Pi Key	√	› Rectang. and Polar Coordinates Convers.	√
› Fractions	√	› Bin, Pen, Oct, Hex, Dec	√
› Complex Number Calculation	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Multi-Line Playback	√	› Metric Conversions	√
› Last Answer Recall (ANS)	√	› Physical Constants	√
› Memory Variables	9		

EL-520TG

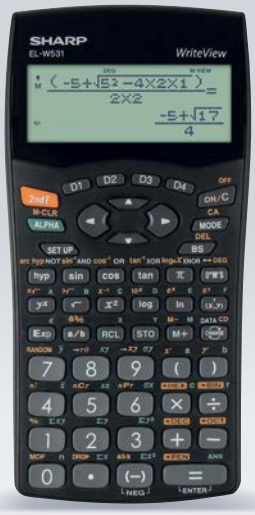
› Display Type	2 lines	› Last Answer Recall (ANS)	√
› Number of Display Digits	10	› Memory Variables	9
› Power Source	Solar & Battery	› FSE Display (SCI, FIX, ENG)	√
› Battery Type	LR44 × 1	› 3-Digit Punctuation	√
› Automatic Power Down	√	› 1-Variable Statistics	√
› Keys	Plastic	› 2-Variable Statistics	√
› Protective Case	√	› Regression Calculations	6
› Dimensions	158 × 80 × 14 mm	› Mean, Standard Deviation	√
› Weight	91 g	› nCr, nPr, n!	√
› Built-In Functions	419	› Random Numbers	√
› Entry System	Algebraic (D.A.L.)	› Deg, Rad, Grad Modes	√
› 1/x, x², square root, %	√	› Sin, Cos, Tan, and Inverses	√
› Pi Key	√	› Hyperbolic Functions	√
› Fractions	√	› Sexagesimal and Decimal Conversions	√
› Equation Solver (Newton)	√	› Rectang. and Polar Coordinates Convers.	√
› System of Linear Equations	√	› Bin, Pen, Oct, Hex, Dec	√
› Numeric Derivative and Integral	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Complex Number Calculation	√	› Metric Conversions	√
› Multi-Line Playback	√	› Physical Constants	√

EL-506X

› Display Type	2 lines	› Last Answer Recall (ANS)	√
› Number of Display Digits	10	› Memory Variables	9
› Power Source	Solar & Battery	› FSE Display (SCI, FIX, ENG)	√
› Battery Type	LR44 × 1	› 3-Digit Punctuation	√
› Automatic Power Down	√	› 1-Variable Statistics	√
› Keys	Plastic	› 2-Variable Statistics	√
› Protective Case	√	› Regression Calculations	6
› Dimensions	158 × 80 × 14 mm	› Mean, Standard Deviation	√
› Weight	83 g	› nCr, nPr, n!	√
› Built-In Functions	469	› Random Numbers	√
› Entry System	Algebraic (D.A.L.)	› Deg, Rad, Grad Modes	√
› 1/x, x², square root, %	√	› Sin, Cos, Tan, and Inverses	√
› Pi Key	√	› Hyperbolic Functions	√
› Fractions	√	› Sexagesimal and Decimal Conversions	√
› Equation Solver (Newton)	√	› Rectang. and Polar Coordinates Convers.	√
› System of Linear Equations	√	› Bin, Pen, Oct, Hex, Dec	√
› Matrix and Vector Calculations	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Numeric Derivative and Integral	√	› Metric Conversions	√
› Complex Number Calculation	√	› Physical Constants	√
› Multi-Line Playback	√		

EL-W531

Classic Design



› Display Type	Dot Matrix	› Memory Variables	9
› Number of Display Digits	16	› FSE Display (SCI, FIX, ENG)	√
› Power Source	Battery	› 3-Digit Punctuation	√
› Battery Type	LR44 × 1	› 1-Variable Statistics	√
› Automatic Power Down	√	› 2-Variable Statistics	√
› Keys	Plastic	› Regression Calculations	7
› Protective Case	√	› Mean, Standard Deviation	√
› Dimensions	161 × 80 × 15 mm	› nCr, nPr, n!	√
› Weight	100 g	› Random Numbers	√
› Built-In Functions	335	› Deg, Rad, Grad Modes	√
› Entry System	Algebraic (D.A.L.)	› Sin, Cos, Tan, and Inverses	√
› 1/x, x², square root, %	√	› Hyperbolic Functions	√
› Pi Key	√	› Sexagesimal and Decimal Conversions	√
› Fractions	√	› Rectang. and Polar Coordinates Convers.	√
› Training (DRILL) Function	√	› Bin, Pen, Oct, Hex, Dec	√
› Multi-Line Playback	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Last Answer Recall (ANS)	√		

EL-W531XH

› Display Type	Dot Matrix	› Memory Variables	9
› Number of Display Digits	16	› FSE Display (SCI, FIX, ENG)	√
› Power Source	Battery	› 3-Digit Punctuation	√
› Battery Type	AAA × 1	› 1-Variable Statistics	√
› Automatic Power Down	√	› 2-Variable Statistics	√
› Keys	Plastic	› Regression Calculations	7
› Protective Case	√	› Mean, Standard Deviation	√
› Dimensions	168 × 80 × 14 mm	› nCr, nPr, n!	√
› Weight	103 g	› Random Numbers	√
› Built-In Functions	335	› Deg, Rad, Grad Modes	√
› Entry System	Algebraic (D.A.L.)	› Sin, Cos, Tan, and Inverses	√
› 1/x, x², square root, %	√	› Hyperbolic Functions	√
› Pi Key	√	› Sexagesimal and Decimal Conversions	√
› Fractions	√	› Rectang. and Polar Coordinates Convers.	√
› Training (DRILL) Function	√	› Bin, Pen, Oct, Hex, Dec	√
› Multi-Line Playback	√	› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Last Answer Recall (ANS)	√		

EL-W531XG

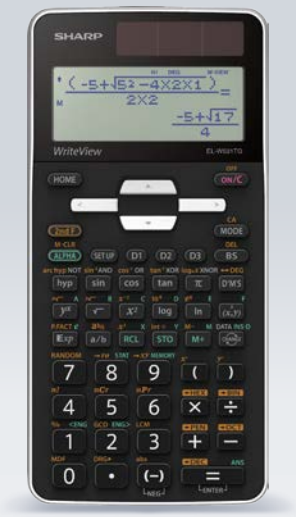
› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	168 × 80 × 14 mm
› Weight	99 g
› Built-In Functions	335
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Training (DRILL) Function	√
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√

› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√

EL-W531TG

› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	168 × 80 × 14 mm
› Weight	99 g
› Built-In Functions	335
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Training (DRILL) Function	√
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√

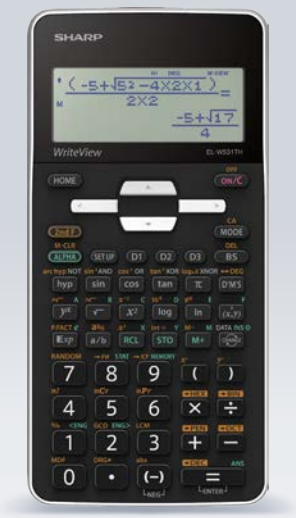
› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√



EL-W531TH

› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Battery
› Battery Type	AAA × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	168 × 80 × 14 mm
› Weight	99 g
› Built-In Functions	335
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Training (DRILL) Function	√
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√

› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√



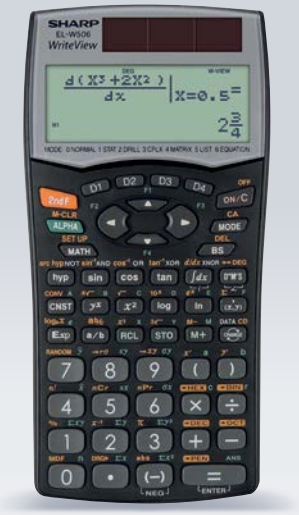
EL-W550XG

› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	168 × 80 × 14 mm
› Weight	99 g
› Built-In Functions	335+
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› GCD, LCM	√
› Quotient and Remainder Calculation	√
› Fractions	√
› Function Table	√
› Training (DRILL) Function	√
› Multi-Line Playback	√

› Last Answer Recall (ANS)	√
› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Metric Conversions	√
› Physical Constants	√

EL-W506

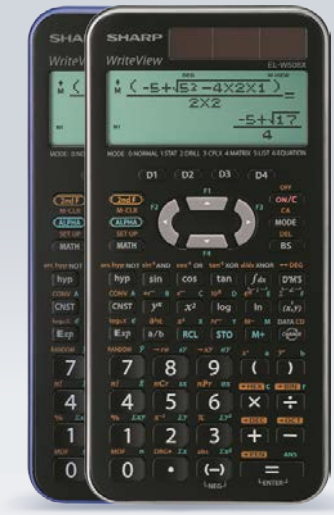
Classic Design



› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	161 × 80 × 15 mm
› Weight	102 g
› Built-In Functions	556
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Equation Solver (Newton)	√
› System of Linear Equations	√
› Matrix and Vector Calculations	√
› Numeric Derivative and Integral	√
› Complex Number Calculation	√
› Training (DRILL) Function	√

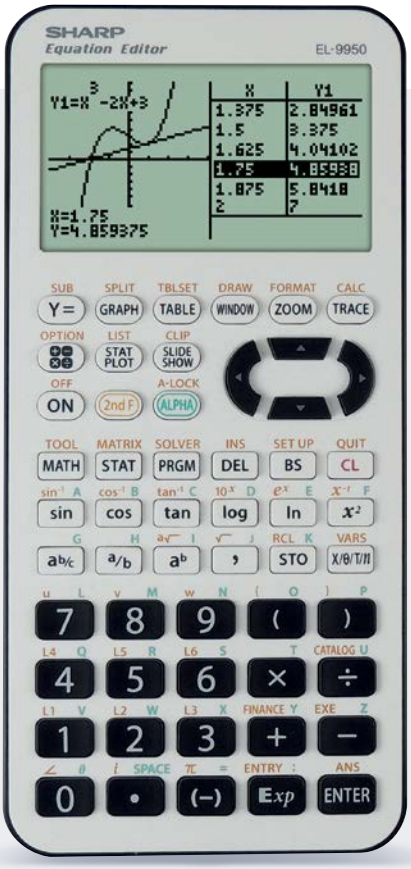
› Multi-Line Playback	√
› Last Answer Recall (ANS)	√
› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Metric Conversions	√
› Physical Constants	√

EL-W506X



› Display Type	Dot Matrix
› Number of Display Digits	16
› Power Source	Solar & Battery
› Battery Type	LR44 × 1
› Automatic Power Down	√
› Keys	Plastic
› Protective Case	√
› Dimensions	168 × 80 × 14 mm
› Weight	99 g
› Built-In Functions	556
› Entry System	Algebraic (D.A.L.)
› 1/x, x², square root, %	√
› Pi Key	√
› Fractions	√
› Equation Solver (Newton)	√
› System of Linear Equations	√
› Matrix and Vector Calculations	√
› Numeric Derivative and Integral	√
› Complex Number Calculation	√
› Training (DRILL) Function	√

› Multi-Line Playback	√
› Last Answer Recall (ANS)	√
› Memory Variables	9
› FSE Display (SCI, FIX, ENG)	√
› 3-Digit Punctuation	√
› 1-Variable Statistics	√
› 2-Variable Statistics	√
› Regression Calculations	7
› Mean, Standard Deviation	√
› nCr, nPr, n!	√
› Random Numbers	√
› Deg, Rad, Grad Modes	√
› Sin, Cos, Tan, and Inverses	√
› Hyperbolic Functions	√
› Sexagesimal and Decimal Conversions	√
› Rectang. and Polar Coordinates Convers.	√
› Bin, Pen, Oct, Hex, Dec	√
› Logical Operation (AND, OR, NOT, NEG, XOR)	√
› Metric Conversions	√
› Physical Constants	√

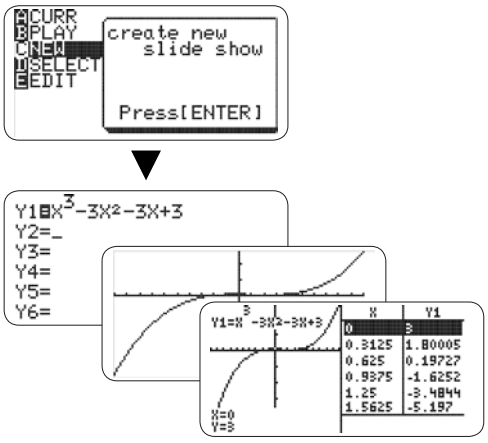


EL-9950 GRAPHING CALCULATOR

With its large 132 × 64 dot matrix Write-View display, its graphing capability and slide show feature, the EL-9950 is a very flexible student companion, offering not less than 827 functions. This graphing calculator covers all the needs of highschool and university demands!

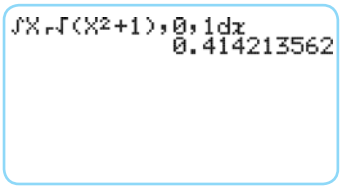
› Graphing capability	√
› Solver function	√
› Matrix function	√
› Statistical and regression graphs (9 resp. 14 types)	√
› 27 Variable memories	√
› Shift/Change Graph feature	√
› Rapid Graph/Window/Zoom feature	√
› Slide show feature	√
› Power source: AAA × 4, CR2032 × 1 (Backup)	√

Slide show

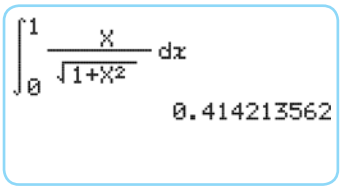


Equation Editor

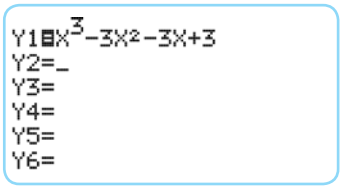
By one-line editing

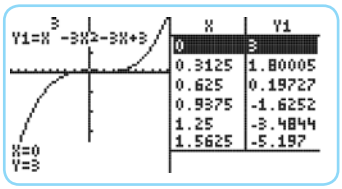


By equation editor



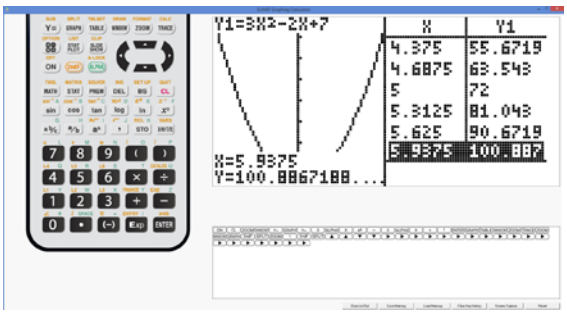
Scientific graphing



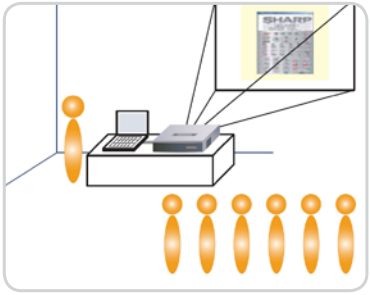


PC Simulator

The PC simulator enables operation of the EL-9950 on a PC.



Screen shots can be captured for use by teachers in classroom presentations.



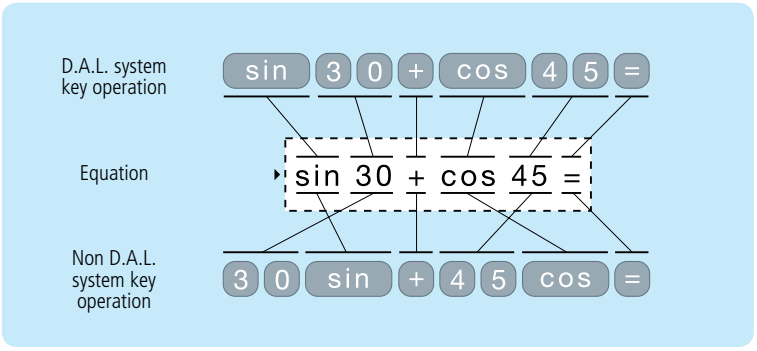
Greater Efficiency and Ease of Use

Our scientific calculators for schools incorporate Direct Algebraic Logic (D.A.L), which Sharp was the first manufacturer in the world to introduce back in 1992, but also the innovative WriteView™ Technology. Using DAL, the input formula is displayed from left to right in the same way as used in textbooks. The WriteView™ function enables the EL-W531 and EL-W506 models to display formulae, roots or fractions exactly as they are shown in textbooks or on the board at school.

D.A.L.

Direct Algebraic Logic (D.A.L.)

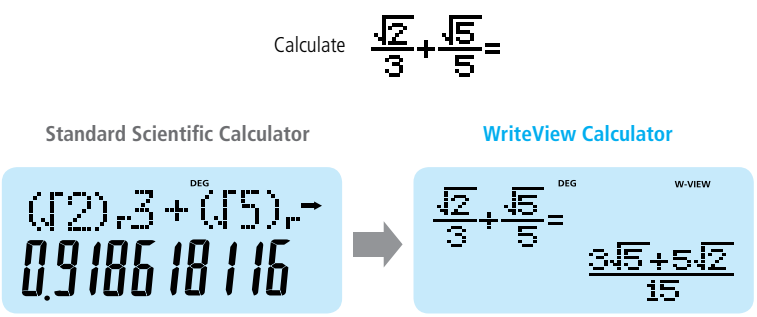
Until the introduction of SHARP's D.A.L., keying in equations had been a complicated process making scientific calculators difficult to use. Introduced in 1992 and an industry-first, SHARP's D.A.L. allows symbols and numbers of an equation to be entered as they are written. Instead of wasting energy on difficult calculator operations, users are free to concentrate on mathematical concepts.



$\frac{-5+\sqrt{17}}{4}$

WriteView™

A standard scientific calculator cannot display fractions and symbols such as "√ ‾" the way they appear in a proper mathematical formula. A WriteView calculator, however, can display fractions and symbols just as they appear in a mathematical formula.



2-Line

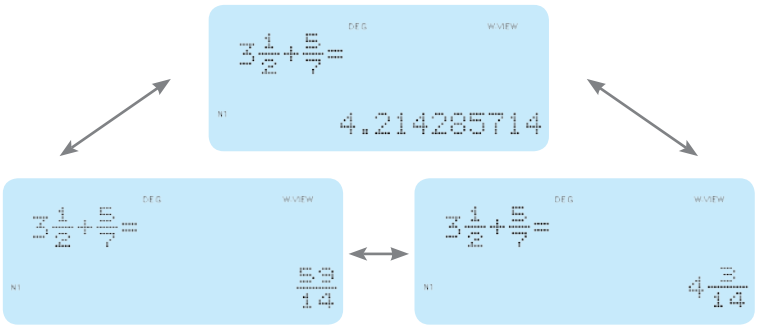
2-Line Display

A 2-line display allows the users to check the equation and answer at the same time. Because the equation remains on display, it is easy to edit or make substitutions if necessary.

CHANGE

Fraction / Decimal Conversion

When possible, calculation results will be displayed using fractions, $\sqrt{x}$ and π. When you press CHANGE, the display will cycle through the following display styles:
mixed fractions → improper fractions → decimal numbers → mixed fractions.



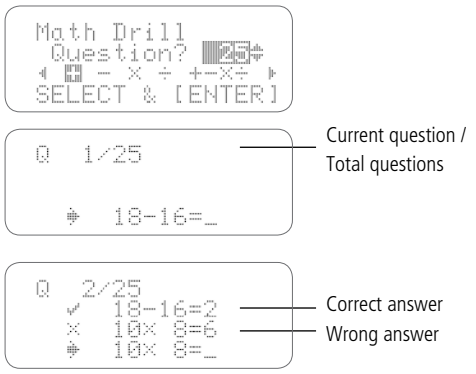
Math Drill Function

Math training questions with positive integers are displayed randomly. It is possible to select the number of questions and operator type.

Math Drill Sample

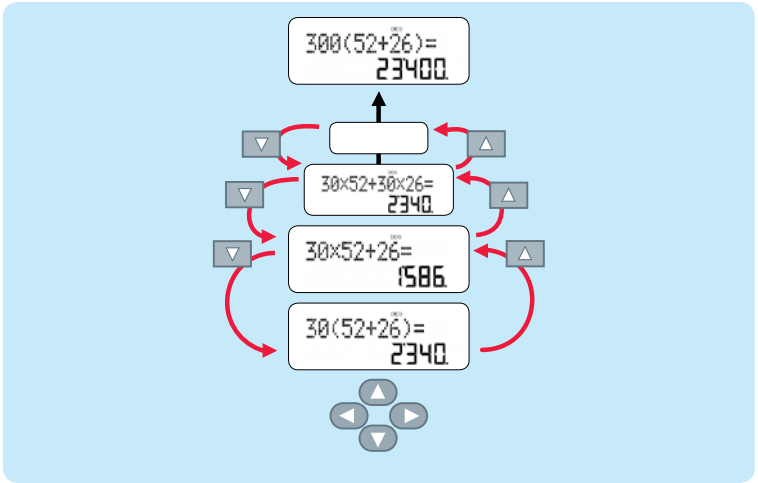
Select the operator type for questions (+, -, x, ÷, or mixed)

Questions are randomly selected and will not repeat except by chance



Multi-Line Playback

SHARP's Multi-Line Playback function lets you recall any of the last 142 steps you have made. This feature is very useful for comparing formulas and recalculating equations.

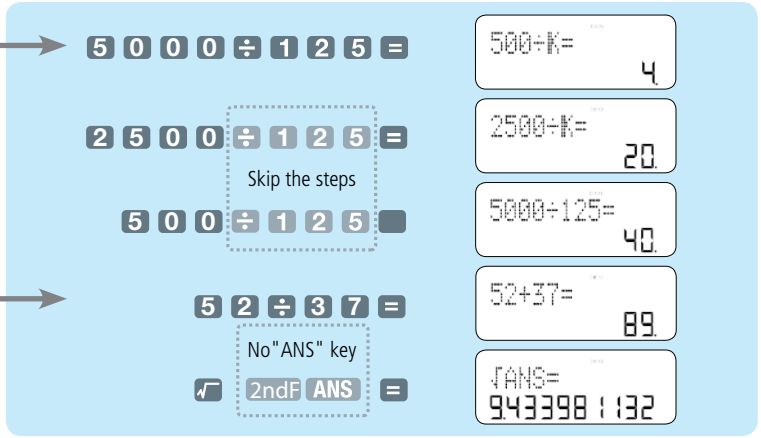


Constant Calculation

A portion of the equation is automatically memorised as a constant, thus omitting redundant input.

Chain Calculation

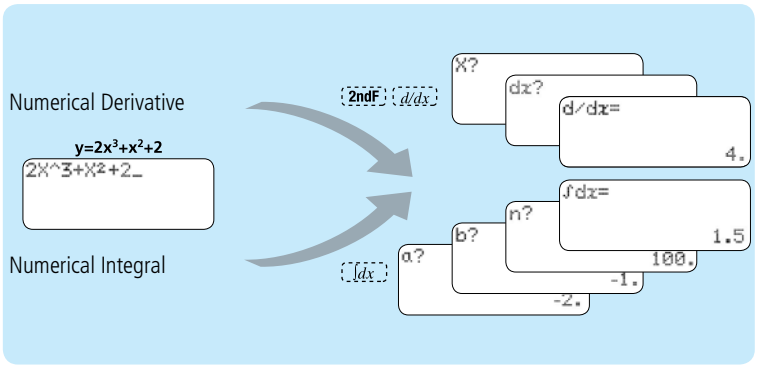
The answer can be used as is in the next calculation.



Numerical Derivative

Numerical Integral

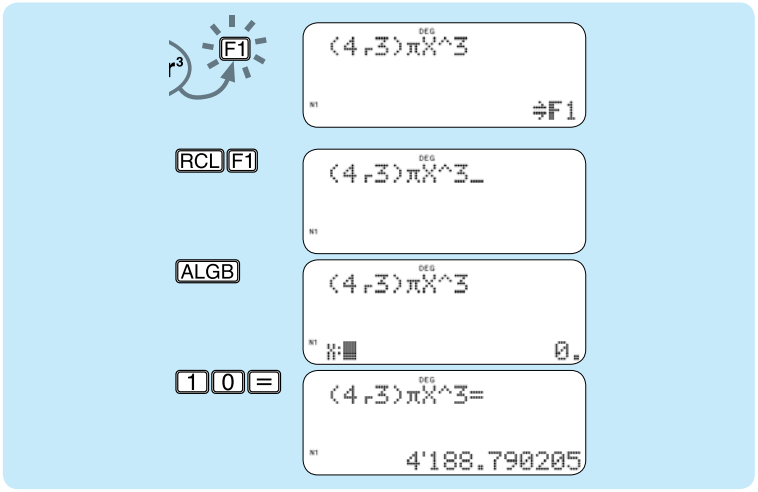
Simply enter numerical values following the interactive on-screen instructions, and you can find the answer easily of derivative and integral calculations. You don't have to re-enter the formula, and the calculation can be repeated as many times as needed.



F1, F2, F3, F4

Formula Memory

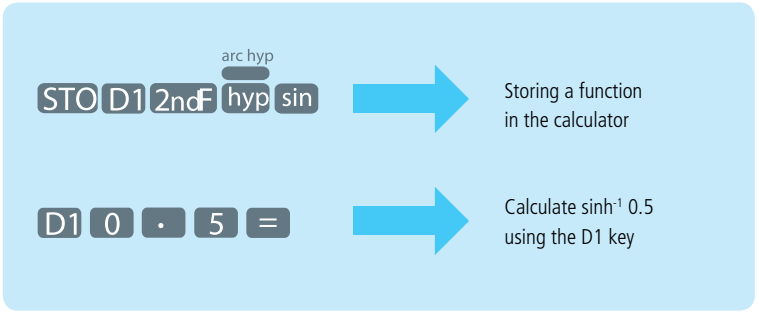
Frequently used formulas or complex equations can be stored as functions in Formula Memory**. By recalling the formula, you can substitute new variables into the equation and recalculate it without having to enter the entire sequence again.
Since you can do repeat equations, it's also convenient for simulations.



D1 D2 D3 D4

Definable Memory

Definable Memory enables you to store functions and operations in memory. With a single keystroke, you can enter functions or operations that previously required multiple keystrokes, such as [2ndF] [sinh^{-1}].



Comparison table

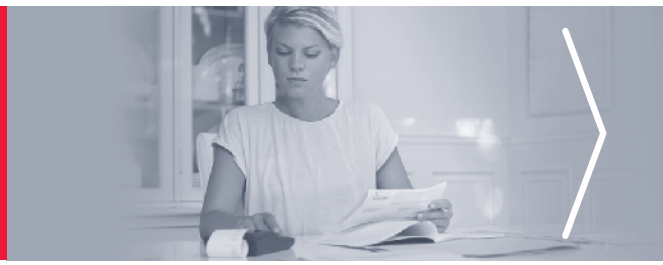
	EL-501X	EL-531X	EL-531XH	EL-531XG	EL-531TH	EL-531TG	EL-520X	EL-520XG	EL-520TG
Basic Description									
Display Type	1 line	2 lines	2 lines	2 lines	2 lines	2 lines	2 lines	2 lines	2 lines
Number of Display Digits	10	10	10	10	10	10	10	10	10
Power Source	Battery	Battery	Battery	Solar & Battery	Battery	Solar & Battery	Solar & Battery	Solar & Battery	Solar & Battery
Battery Type	LR54 ×2	LR44 × 1	AAA × 1	LR44 × 1	AAA × 1	LR44 × 1	LR44 × 1	LR44 × 1	LR44 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√
Keys	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Protective Case	√	√	√	√	√	√	√	√	√
Dimensions	144 × 75 × 10 mm	158 × 80 × 14 mm	158 × 80 × 14 mm	158 × 80 × 14 mm	161 × 80 × 15 mm	161 × 80 × 15 mm	158 × 80 × 14 mm	158 × 80 × 14 mm	158 × 80 × 14 mm
Weight	73 g	95 g	101 g	95 g			95 g	95 g	91 g
Mathematical Functions									
Built-In Functions	131	272	272	272	273	273	419	400+	419
Entry System	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	D.A.L.
1/x, x², square root, %	√	√	√	√	√	√	√	√	√
Pi Key	√	√	√	√	√	√	√	√	√
GCD, LCM	×	×	×	×	×	×	×	×	×
Quotient and Remainder Calculation	×	×	×	×	×	×	×	×	√
Fractions	×	√	√	√	√	√	√	√	√
Function Table	×	×	×	×	×	×	×	×	×
Equation Solver (Newton)	×	×	×	×	×	×	√	×	√
System of Linear Equations	×	×	×	×	×	×	√	×	√
Matrix and Vector Calculations	×	×	×	×	×	×	×	×	×
Numeric Derivative and Integral	×	×	×	×	×	×	√	×	√
Complex Number Calculation	√	×	×	×	×	×	√	√	√
Training (DRILL) Function	×	×	×	×	×	×	×	×	×
Memory									
Multi-Line Playback	×	√	√	√	√	√	√	√	√
Last Answer Recall (ANS)	×	√	√	√	√	√	√	√	√
Memory Variables	1	9	9	9	9	9	9	9	9
Notation and Decimal Places									
FSE Display (SCI, FIX, ENG)	×	√	√	√	√	√	√	√	√
3-Digit Punctuation	×	√	√	√	√	√	√	√	√
Statistics									
1-Variable Statistics	√	√	√	√	√	√	√	√	√
2-Variable Statistics	×	√	√	√	√	√	√	√	√
Regression Calculations	×	6	6	6	6	6	6	6	6
Mean, Standard Deviation	√	√	√	√	√	√	√	√	√
nCr, nPr, n!	×	√	√	√	√	√	√	√	√
Random Numbers	√	√	√	√	√	√	√	√	√
Trigonometric Functions									
Deg, Rad, Grad Modes	√	√	√	√	√	√	√	√	√
Sin, Cos, Tan, and Inverses	√	√	√	√	√	√	√	√	√
Hyperbolic Functions	√	√	√	√	√	√	√	√	√
Sexagesimal and Decimal Conversions	√	√	√	√	√	√	√	√	√
Rectangular and Polar Coordinates Conversions	√	√	√	√	√	√	√	√	√
Number Systems									
Bin, Pen, Oct, Hex, Dec	√	√	√	√	√	√	√	√	√
Logical Operation (AND, OR, NOT, NEG, XOR)	×	√	√	√	√	√	√	√	√
Scientific Functions									
Metric Conversions	×	×	×	×	√	√	√	√	√
Physical Constants	×	×	×	×	√	√	√	√	√

Comparison table

	EL-506X	EL-W531	EL-W531XH	EL-W531XG	EL-W531TG	EL-W531TH	EL-W550XG	EL-W506	EL-W506X
Basic Description									
Display Type	2 lines	Dot Matrix	Dot Matrix	Dot Matrix	Dot Matrix	Dot Matrix	Dot Matrix	Dot Matrix	Dot Matrix
Number of Display Digits	10	16	16	16	16	16	16	16	16
Power Source	Solar & Battery	Battery	Battery	Solar & Battery	Solar & Battery	Battery	Solar & Battery	Solar & Battery	Solar & Battery
Battery Type	LR44 × 1	LR44 × 1	AAA × 1	LR44 × 1	LR44 × 1	AAA × 1	LR44 × 1	LR44 × 1	LR44 × 1
Automatic Power Down	√	√	√	√	√	√	√	√	√
Keys	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Protective Case	√	√	√	√	√	√	√	√	√
Dimensions	158 × 80 × 14 mm	161 × 80 × 15 mm	168 × 80 × 14 mm	168 × 80 × 14 mm	168 × 80 × 14 mm	168 × 80 × 14 mm	168 × 80 × 14 mm	161 × 80 × 15 mm	168 × 80 × 14 mm
Weight	83 g	100 g	103 g	99 g	98 g	98 g	99 g	102 g	99 g
Mathematical Functions									
Built-In Functions	469	335	335	335	414	414	335+	556	556
Entry System	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)	D.A.L.	D.A.L.	Algebraic (D.A.L.)	Algebraic (D.A.L.)	Algebraic (D.A.L.)
1/x, x^2, square root, %	√	√	√	√	√	√	√	√	√
Pi Key	√	√	√	√	√	√	√	√	√
GCD, LCM	×	×	×	×	×	×	√	×	×
Quotient and Remainder Calculation	×	×	×	×	×	×	√	×	×
Fractions	√	√	√	√	√	√	√	√	√
Function Table	×	×	×	×	√	√	√	×	×
Equation Solver (Newton)	√	×	×	×	×	×	×	√	√
System of Linear Equations	√	×	×	×	×	×	×	√	√
Matrix and Vector Calculations	√	×	×	×	×	×	×	√	√
Numeric Derivative and Integral	√	×	×	×	×	×	×	√	√
Complex Number Calculation	√	×	×	×	×	×	×	√	√
Training (DRILL) Function	×	√	√	√	√	√	√	√	√
Memory									
Multi-Line Playback	√	√	√	√	√	√	√	√	√
Last Answer Recall (ANS)	√	√	√	√	√	√	√	√	√
Memory Variables	9	9	9	9	9	9	9	9	9
Notation and Decimal Places									
FSE Display (SCI, FIX, ENG)	√	√	√	√	√	√	√	√	√
3-Digit Punctuation	√	√	√	√	√	√	√	√	√
Statistics									
1-Variable Statistics	√	√	√	√	√	√	√	√	√
2-Variable Statistics	√	√	√	√	√	√	√	√	√
Regression Calculations	6	7	7	7	7	7	7	7	7
Mean, Standard Deviation	√	√	√	√	√	√	√	√	√
nCr, nPr, n!	√	√	√	√	√	√	√	√	√
Random Numbers	√	√	√	√	√	√	√	√	√
Trigonometric Functions									
Deg, Rad, Grad Modes	√	√	√	√	√	√	√	√	√
Sin, Cos, Tan, and Inverses	√	√	√	√	√	√	√	√	√
Hyperbolic Functions	√	√	√	√	√	√	√	√	√
Sexagesimal and Decimal Conversions	√	√	√	√	√	√	√	√	√
Rectangular and Polar Coordinates Conversions	√	√	√	√	√	√	√	√	√
Number Systems									
Bin, Pen, Oct, Hex, Dec	√	√	√	√	√	√	√	√	√
Logical Operation (AND, OR, NOT, NEG, XOR)	√	√	√	√	√	√	√	√	√
Scientific Functions									
Metric Conversions	√	×	×	×	×	×	√	√	√
Physical Constants	√	×	×	×	×	×	√	√	√

GT
STR
CE
%
+/-
*
0
SHARP
EL-1607P

Printing calculators



EL-1607P

EL-1607PE version with EU plug | EL-1607PUK version with UK plug

› Display Type	Digitron
› Number of Display Digits	12
› Battery Type	CR2032 × 1
› Automatic Power Down	√
› AC Power Supply	√
› Keys	Plastic
› Dimensions	303 × 202 × 72 mm
› Weight	1300 g
› Printing Colours	Black, Red
› Printing Speed	3 Lines/sec.
› Paperroll (Size)	Standard (58 × 80 mm)
› Ink Roller	EA-772R

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√
› Mark-up/-down (MU)	√
› Item Counter	√
› Decimal Setting	F, 6, 3, 2, 1, 0
› Round Up/Down	√

EL-1750V

› Display Type	LCD
› Number of Display Digits	12
› Battery Type	AA × 4
› Automatic Power Down	√
› AC Power Supply	Optional (EA-28A)
› Keys	Plastic
› Dimensions	230 × 150 × 52 mm
› Weight	455 g
› Printing Colours	Black, Red
› Printing Speed	2 Lines/sec.
› Paperroll (Size)	Standard (58 × 80 mm)
› Ink Roller	EA-772R

› Cost/Sell/Margin Calculation	√
› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√
› Average Calculation	√
› Item Counter	√
› Decimal Setting	F, 3, 2, 0, A
› Round Up/Down	√
› Change calculation mode	√

EL-2607PG

EL-2607PGYUK version with UK plug | EL-2607PGGYSE version with Resume Function

› Display Type	Digitron
› Number of Display Digits	12
› Battery Type	CR2032 × 1
› Automatic Power Down	√
› AC Power Supply	√
› Keys	Plastic
› Dimensions	327 × 221 × 78 mm
› Weight	2000 g
› Printing Colours	Black, Red
› Printing Speed	4.3 Lines/sec.
› Paperroll (Size)	Standard (58 × 80 mm)
› Ink Ribbon	√

› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√
› Grand Total (GT)	√
› Mark-up/-down (MU)	√
› Average Calculation	√
› Item Counter	√
› Resume Function	√
› Decimal Setting	F, 6, 3, 2, 1, 0, A
› Round Up/Down	√

CS-2635RH

› Display Type	Digitron
› Number of Display Digits	12
› Battery Type	CR2032 × 1
› Automatic Power Down	√
› AC Power Supply	√
› Keys	Plastic
› Dimensions	345 × 250 × 87 mm
› Weight	2000 g
› Printing Colours	Black, Red
› Printing Speed	4.3 Lines/sec.
› Paperroll (Size)	Standard (58 × 80 mm)
› Ink Ribbon	√

› Currency Conversion	√
› Tax Calculation +/–	√
› Memory	4 keys
› Double Zero Key (00)	√
› 3-Digit Punctuation	√
› Percent (%)	√
› Sign Change (+/–)	√
› Correction Key	√
› Mark-up/-down (MU)	√
› Item Counter	√
› Resume Function	√
› Decimal Setting	F, 5, 4, 3, 2, 1, 0, A
› Round Up/Down	√

Smart Features

Cost-Sell-Margin Calculation

Quick and convenient calculation of cost, selling price and margins; ideal for business transactions.

Calculation 1		Answer	
Cost	98,50	98,50	COST
Sell	129,50	129,50	SELL
Margin %	?		FIND MARGIN = 23,938 %

Calculation 2		Answer	
Cost	65,50	65,50	COST
Margin %	38 %	38	MARGIN
Sell	?		FIND SELL = 105,65

Calculation 3		Answer	
Sell	175,50	175,50	SELL
Margin %	35 %	35	MARGIN
Cost	?		FIND COST = 114,08

AVG FUNKTION

Average

AVG Function calculates average of inputted data.

Day	Sales	OPERATION	PRINT
Monday	€ 100	100 [+]	100
Tuesday	€ 30	30 [+]	30
Wednesday	€ 40	40 [+]	40
Thursday	€ 0	0 [+]	0
Friday	€ 75	75 [+]	75
Saturday	€ 100	100 [+]	100
Sunday	€ 0	0 [AVG]	49

CALCULATION

(100 + 30 + 40 + 0 + 75 + 100 + 0) / 7 = € 49

GT FUNKTION

Grand Total (GT) Function

Automatically calculates the total sum of amounts generated.

			OPERATION	PRINT
U.S. revenues (A, B and C)				
Customer A	€ 2,500k	x	2500 [+]	2500
Customer B	€ 2,200k		2200 [+]	2200
Customer C	€ 3,000k		3000 [+]	3000
			[*]	**7700**
Europe revenues (D, E and F)				
Customer D	€ 5,000k	y	5000 [+]	5000
Customer E	€ 1,500k		1500 [+]	1500
Customer F	€ 2,800k		2800 [+]	2800
			[*]	**9300**
			[GT]	**17.000**

CALCULATION

(2.500+2.200+3.000) + (5.000+1.500+2.800) = 17.000

x y

Day/Date Calculation

- Day Calculation: determines number of days between two dates.
- Date Calculation: determines the date after a number of days and a starting date have been entered.

How many days are between October 24th to December 27th?	→	64 days
Add 50 days to March 27.	→	May 15

Accessories

Ink rollers & Ink ribbon

Ink roller EA732R (Color: ● black)
Models: SHARP EL1610, EL1611, EL1611S, EL1611H, EL1611L, EL1611P, EL1801A, EL1801L
Ink roller EA770R (Color: ● black)
Models: SHARP EL1192S, EL1601H, EL1615, EL1625, EL1625H, EL1628, EL1631
Ink roller EA772R / EA772R compatible (Color: ● black, ● red)
Models: SHARP EL1750PIIIGY, EL1750V, EL1611PGY,EL1607P (from 06/2012)
Ink roller EA781RBK / EA781RBK compatible (Color: ● black)
Models: SHARP EL1195L, EL1607P (till 05/2012), EL1801C, EL1801E, EL2192, EL2192G, EL2195L, EL2901C, EL2901P, EL2910R
Ink roller EA781RRD / EA781RRD compatible (Color: ● red)
Models: SHARP EL1195L, EL1607P (till 05/2012), EL1801C, EL1801E, EL2192, EL2192G, EL2195L, EL2901C, EL2901P, EL2910R

Ink ribbon GR51 (Color: ● black, ● red)
Models: SHARP EL2607PGY, CS2635RHGY

Paper rolls

EA1195P (Thermo Paper)
Models: SHARP EL8180, EL8181
EA1250P (Thermo Paper)
Models: SHARP CE-120P,CE-123P, CE-125S,CE-126P, CE-50P

EA7100P (Paper)
Models: SHARP EL1611E, EL1611PGY, EL1750PIIIGY, EL1750V, EL1607P, EL2607PGY, CS2635RHGY
Roll 57 (Paper)
Models: SHARP EL1611E, EL1611PGY, EL1750PIIIGY, EL1750V, EL1607P, EL2607PGY, CS2635RHGY

Adaptors

EA28A (for EU)
Models: SHARP EL1611P, EL1750PIIIGY, EL1750V

L80EA28L (for UK)
Models: SHARP EL1611P, EL1750PIIIGY, EL1750V

Comparison table

	EL-1607P	EL-1750V	EL-2607PG	CS-2635RH
Basic Description				
Display Type	Digitron	LCD	Digitron	Digitron
Number of Digits	12	12	12	12
Battery Type	CR2032 × 1	AA × 4	CR2032 × 1	CR2032 × 1
Automatic Power Down	√	√	×	√
AC Power Supply	√	Optional (EA-28A)	√	√
Keys	Plastic	Plastic	Plastic	Plastic
Dimensions	303 × 202 × 72 mm	230 × 150 × 52 mm	327 × 221 × 78 mm	345 × 250 × 87 mm
Weight	1300 g	455 g	2000 g	2000 g
Features				
Currency Conversion	√	×	×	√
Tax Calculation +/–	√	√	√	√
Memory	4 keys	4 keys	4 keys	4 keys
Double Zero Key (00)	√	√	√	√
3-Digit Punctuation	√	√	√	√
Time/Day Function	×	×	×	×
Percent (%)	√	√	√	√
Sign Change (+/–)	√	√	√	√
Correction Key	√	√	√	√
Grand Total (GT)	√	√	√	×
Mark-up/-down (MU)	√	×	√	√
Average Calculation	×	√	√	×
Item Counter	√	√	√	√
Resume Function	×	×	×	√
Decimal Setting	F, 6, 3, 2, 1, 0	F, 3, 2, 0, A	F, 6, 3, 2, 1, 0, A	F, 5, 4, 3, 2, 1, 0, A
Round Up/Down	√	√	√	√
Print				
Printing Colours	Black, Red	Black, Red	Black, Red	Black, Red
Printing Speed	3 Lines/sec.	2 Lines/sec.	4.3 Lines/sec.	4.3 Lines/sec.
Paperroll (Size)	Standard (58 × 80 mm)	Standard (58 × 80 mm)	Standard (58 × 80 mm)	Standard (58 × 80 mm)
Ink Ribbon	×	×	√	√
Ink Roller	EA-772R	EA-772R	×	×

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For further information please contact us through the contact or support section
or visit www.sharp-calculators.com

SHEN170104