

Canon



CALCULATOR & PRESENTER COLLECTIONS

Intelligently designed solutions for home, office & education



Design & Sustainability

With integration of stylish design, simplicity and functionality, Canon creates a wide range of calculators to meet user needs and make easy calculations.

Categories Index

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K, representing chroma,
is Canon's latest series that emphasises colour and lifestyle.



POS version

Eco-friendly 8% made from recycled materials of Canon products

LS-123K 12-digit Mini Desktop Calculator

Size: 145 x 104 x 25mm / Weight: 119g

Features ♦ **Vivid colors with a metallic finish**

- Large display
- Tax calculation
- Grand total memory

Available in:
BLUE LS-123K-MBL **GREEN** LS-123K-MGR **PINK** LS-123K-MPK **ORANGE** LS-123K-MOR



Package Type (for POS):
Hangable Window Box (HWB)

Package Type:
Double Card Blister (DBL)

Smart Choice & Essential Partner
for Students



242 Functions

Approved by the Board of Studies (NSW)

Approved by New Zealand Qualification Authority

Package Type:
Double Card
Blister (DBL)

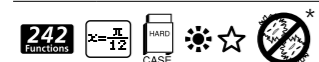
Eco friendly 20% made from recycled materials of Canon products

F-7175GA Dual-Way Textbook Display

Size: 171 x 86 x 18.75mm (body with case) /
168 x 80 x 14.5mm (body only) /
Weight: 131g (with case) / 95.59g (body only)

- Features
- 242 functions
 - **Random integer generator**
 - Fractions and Trigonometry calculation
 - Statistical and Regression - using table input method
 - Dual-power with low battery indicator

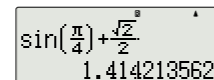
Available in:
BLUE F-7175GA-BL **BLACK** F-7175GA-BK **RED** F-7175GA-R



*Antimicrobial efficacy is certified by Society of Industrial-technology for Antimicrobial Articles (SIAA) ISO 22196 (JIS Z2801)

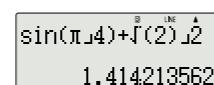
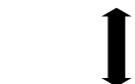
Easy-to-read display format

Input & output display format can be chosen from set-up menu



MthIO mode = Mathematics textbook Input & display mode

(**MthIO** mode allows mathematical symbols, fractions and formulas to be displayed on screen, in exactly the same way as they are written in a textbook.)



LIneIO mode = Traditional 2 "line Input & Output Display mode



Convenient slot to slide in a photo, picture or class timetable



Use this emulator program to project real-time calculations onto large displays. A powerful tool for teachers.

Detailed Specification

Total no. of function	242	Replay	
Scientific Function		Last Digit Correction	✓
Memory		Last Answer Recall	✓
No. of Store & Recall Memory	7	Multiple Replay	✓
Mathematics		Statistics	
Calculation Expression Direct Input	✓	1- / 2- Variable	2
Internal Calculation Digits	Up to 18	Mean, Standard Deviation, Sum of Value	✓
Parentheses	24	Maximum Value, Minimum Value	✓
Square, Square Root, Reciprocal	✓	Linear Regression	✓
Fractions, Fractions & Decimal Conversion	✓	Quadratic Regression, Exponential Regression	✓
Decimal Point Selection	✓	Logarithmic Regression, Power Regression, Inverse Regression	✓
Exponential Calculation	✓	ab Exponential Regression	✓
Logarithm, Natural Log, Antilogarithm	✓	Correlation Coefficient	✓
Random Number Generation	✓	Regression Analysis	✓
Integer Random Number Generation	✓	Product Specification	
Factorials, Permutations & Combinations	✓	Display	
Trigonometry		Display Line	4 lines Dot Matrix 31 x 96 dots
Angle (DEG, RAD, GRAD), DRG Conversions	✓	LCD Contrast Selection	✓
Trigonometry, Inverse Trigonometry	✓	Low Battery Indicator	✓
Hyperbolic, Inverse Hyperbolic	✓	Power	
		Power Source	Solar & Battery
		Battery	CR2032 x 1
		Auto-Power Off	✓

Specifications are subject to change without notice.

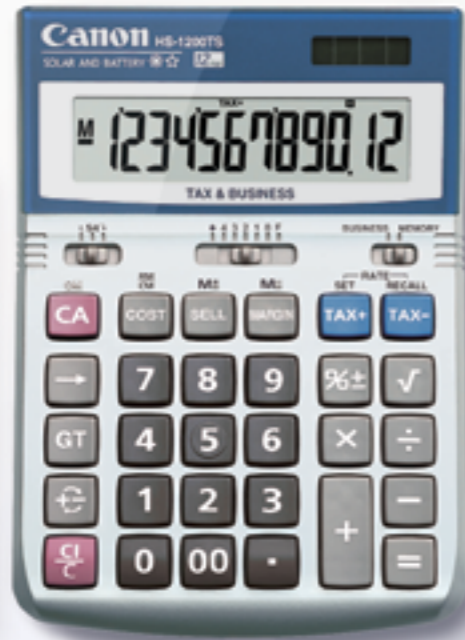


Package Type:
Blister
(BL)

LS-100TS 10-digit Mini Desktop

Size: 135 x 103 x 32mm / Weight: 102g
Features • Tax calculation

- Business calculation
- Large upright display
- ♦ **Executive finish - metallic silver topcoating**



Package Type:
Blister
(BL)

HS-1200TS 12-digit Desktop

Size: 174 x 123 x 38mm / Weight: 170g
Features • Tax calculation

- Business calculation
- Grand total memory
- Decimal (+43210F) and rounding selection
- Large upright display
- ♦ **Executive finish - metallic silver topcoating**



Package Type:
Blister
(BL)

LS-121TS 12-digit Desktop

Size: 148 x 107.5 x 31mm / Weight: 132g
Features • Tax calculation

- Business calculation
- Grand total memory
- Large upright display
- ♦ **Executive finish - metallic silver topcoating**



Package Type:
Blister
(BL)

LS-120V II 12-digit Mini Desktop

Size: 140 x 105 x 32mm / Weight: 124g
Features • Grand total memory

- ♦ **Decimal rounding 5/4**
- Large upright display
- Decimal selection (+023F)



Package Type:
Blister
(BL)

TX-220TS 12-digit Desktop

Size: 145 x 145.5 x 30mm / Weight: 166g
Features • Tax calculation

- Business calculation
- Grand total memory
- Decimal selection (+420F)
- ♦ **Extra large adjustable display**



Package Type:
Blister
(BL)

WS-220TC 12-digit Desktop

Size: 145 x 145 x 35mm / Weight: 166g
Features • Tax calculation

- ♦ **Currency conversion**
- Large upright display
- Decimal (+43210F) and rounding selection



Package Type:
Blister
(BL)

LS-82Z 8-digit Mini Desktop

Size: 111 x 88 x 32mm / Weight: 64g
Features • Large upright display

- Portable and compact size
- ♦ **Sturdy rubber stands**



Package Type:
Blister
(BL)

LS-88V II 8-digit Mini Desktop

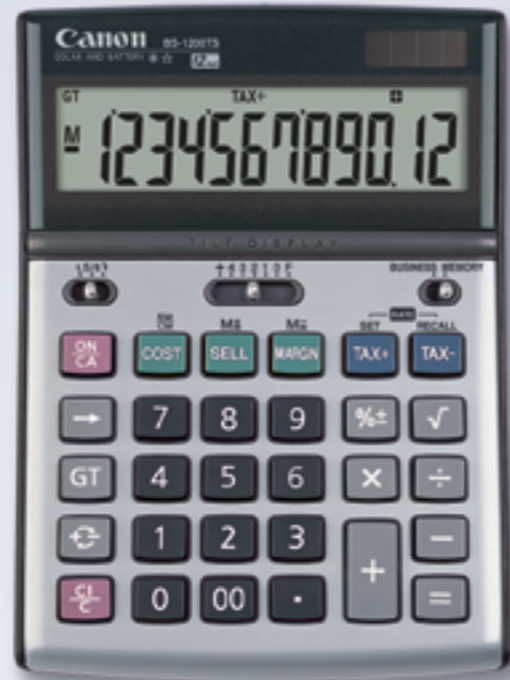
Size: 139 x 91 x 28mm / Weight: 83g
Features ♦ **Memory function**

- Large upright display
- Portable and compact size

Available in:



Heavy Duty Desktop Calculator
Ideal for Professionals

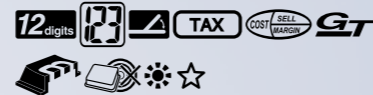


Package Type:
Hangable
Window Box
(HWB)

BS-1200TS 12-digit Desktop

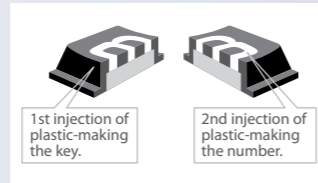
Size: 184 x 129 x 29mm / Weight: 238g

- Features
- Tax calculation
 - Business calculation
 - Grand total memory
 - Silent input technology
 - **Extra large adjustable display-free angle up to 70°**
 - **Highly durable double injection keys**
 - Metal slide switches and cosmetic plate casing



Double Injection Keys

Take the number "8" as an example:



Double injection keys are produced by injections on both key bodies and numbers that key color would not fare off and resulting high durability.



Package Type:
Blister
(BL)

WS-1210HI III 12-digit Desktop

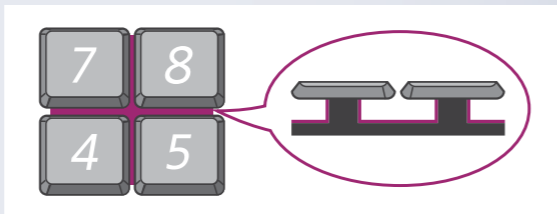
Size: 198 x 150 x 38mm / Weight: 263g

- Features
- Tax calculation
 - Grand total memory
 - Mark up and reverse functions
 - Adjustable display
 - **IT touch keyboard**



IT Touch Keyboard

IT-Touch keyboard design without pit between the keytops. Easy entry for quick and accurate calculations.



Package Type:
Blister
(BL)



AS-220RTS 12-digit Desktop

Size: 150 x 134 x 36mm / Weight: 150g

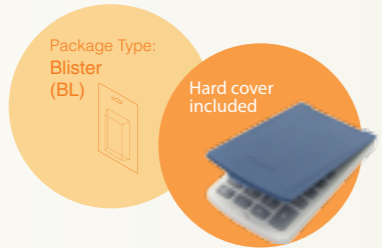
- Features
- Tax calculation
 - Business calculation
 - **120 steps check & correct function**
 - Auto check function
 - Extra large upright display



Arc Series is distinctively designed with a unique arc shape, featuring sleek, large LCD angled display. The upward curve throughout the calculator adds style to its impressive performance. With pursuit of Green concept, some parts are manufactured from recycled Canon product materials to avoid unnecessary energy waste.

The entire series caters to users in different sectors from budget-conscious type to professional financiers, and makes calculation easily with Canon.

Compact & Convenient for Business & General Use!



LC-210L 8-digit Handheld

Size: 97 x 59 x 10mm / Weight: 40g

- Features
- Memory function
 - 360 degree upward folding protective hard cover
 - Auto power saving function
 - ♦ **Durable plastic keys**



LS-270V II 8-digit Handheld

Size: 102 x 61 x 10mm / Weight: 37g

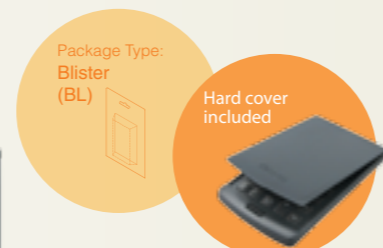
- Features
- ♦ **Mark up calculation**
 - Memory function
 - Extra large display
 - Durable plastic keytops



LS-330H 8-digit Handheld

Size: 114 x 70 x 11mm / Weight: 50g

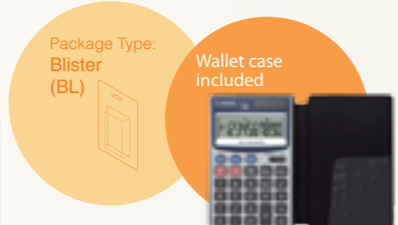
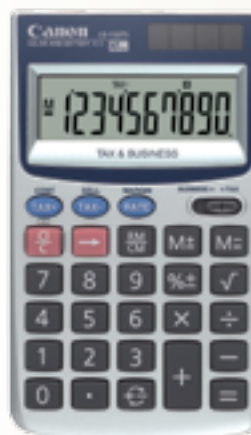
- Features
- ♦ **Large display**
 - Memory function
 - Mark up calculation
 - Extraction of square roots and sign change
 - Strap hole for attaching strap



LS-390H 8-digit Handheld

Size: 119.5 x 73.5 x 11.5mm / Weight: 62g

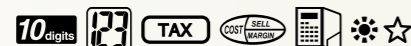
- Features
- ♦ **360 degree upward folding protective hard cover**
 - Memory Function
 - Large plastic keys with rounded edges for comfort
 - ♦ **Extraction of square roots and sign change**



LS-153TS 10-digit Handheld

Size: 122 x 75 x 12mm / Weight: 69g

- Features
- Tax calculation
 - Business calculation
 - Memory function
 - Large display
 - Executive finish - metallic silver topcoating
 - ♦ **Large rubber keytops for easy operations**
 - Wallet case included



LS-QT 8-digit Handheld

Size: 115 x 80 x 12mm / Weight: 50g

- Features
- Canon unique design
 - ♦ **Large display**
 - Memory function



Perfect Tool for Account Professionals and General Purposes



Printing colour:



P1-DTSC 12-digit AC/DC Printing Calculator

Printing Type: Ink Roller
Size: 203 x 102 x 48mm / Weight: 266g

- Features
- Tax calculation
 - Business calculation
 - Currency conversion
 - Decimal (0234AF) and rounding selection
 - ♦ **Large LCD display**
 - Low battery indicator
 - Dual power operation:
4 x AA batteries or AC adapter AD-35 II (both purchase separately)
 - Executive finish - metallic silver topcoating



Printing colours:



P23-DTSC 12-digit AC/DC Printing Calculator

Printing Type: Ink Roller
Size: 235 x 155 x 55mm / Weight: 410g

- Features
- Tax calculation
 - Business calculation
 - Currency conversion
 - ♦ **Clock and calendar functions**
 - Decimal (+023F) and rounding selection
 - Large LCD display and spacious keyboard
 - Low battery indicator
 - Dual power operation:
4 x AA batteries or AC adapter AD-35 II (both purchase separately)
 - Executive finish - metallic silver topcoating



Perfect Tool for
**Account Professionals
and General Purposes**



Package Type:
Gift Box
(GB)

Printing colours:
Black Red

P29-DIV 10-digit AC Printing Calculator

Printing Type: Ink Ribbon
Printing Speed: 3.6 lines/sec
Size: 300 x 207 x 76mm / Weight: 1650g

- Features • Currency conversion
• Decimal (+3210F) and rounding selection
• Durable double injection key
• Spacious Canola key layout
• **Easy to read fluorescent tube display**
• Delta percent key
• Item count function



Canola Key Layout

Smooth operation is made with concave designed keys.

The keys and of the front row are rounded and the back row are concave; the second row of has "medium" concavity, the third row of has "deep" concavity as a center position, and the forth row of has "medium" concavity.

All these different concavities by rows are determined by study of natural finger movement and by the relation between the angle of the keyboard and finger movement.

Lighter! Ultra Slim Design
New Generation of X Series



reddot design award
best of the best 2013

Package Type:
Hangable
Window Box
(HWB)



X Mark II 12-digit Desktop

Size: 160 x 95 x 10.8mm / Weight: 138g

- Features • Business calculation
• **Aluminium lower case**
• Solar powered only
• Internal angled LCD display



Feature Highlight

1. Sophisticated image with laser-engraved aluminium base
2. Internal angled display for comfort reading
3. Thin light-weighted body and matt finish upper case design



reddot design award
best of the best 2013

reddot Design Award: best of the best 2013

Reddot design award breaks down into three disciplines: product design, communication design and design concept. It serves as a platform for design-relevant innovations. Since 1955, it has been recognized as an international label and quality seal. The award is given to X Mark II in 2013 for its outstanding product design achievement. The degree of innovation, quality, ecology and symbolic content excels other products in their respective categories.

CANON RECYCLED MATERIAL CALCULATORS

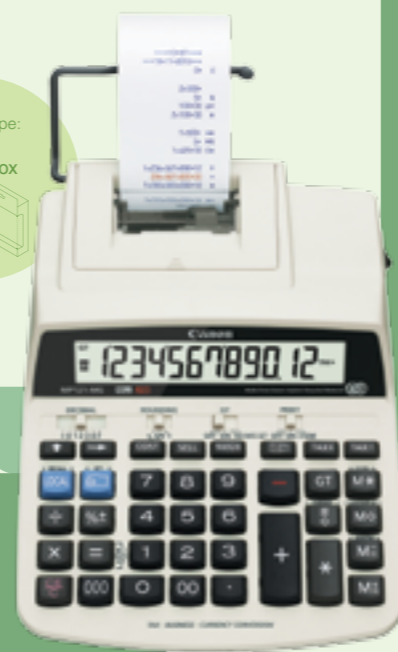
Supports sustainability and helps to preserve finite natural resources.



Eco friendly The icon indicates that the product is partially manufactured using recycled Canon material.

(Canon cares for the environment. All Canon calculators, including our green series are lead free which is environmental friendly.)

Package Type: Hangable Window Box (HWB)



Eco friendly 21% made from recycled materials of Canon products

Printing colours: **Blue** **Red**

MP121-MG 12-digit AC Printing Calculator

Printing Type: Ink roller
 Size: 258 x 189.2 x 60.5mm / Weight: 869g
 Features • Tax calculation
 • Business calculation
 • Currency conversion
 ♦ Clock and calendar functions
 • Large LCD display and spacious keyboard
 • Decimal (+43210F) and rounding selection
 • AC Power



Package Type: Hangable Window Box (HWB)



Wallet case included

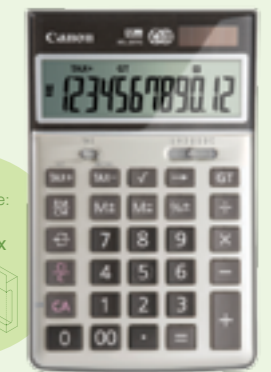
Eco friendly 37% made from recycled materials of Canon products

LS-63TG 8-digit Handheld

Size: 103.5 x 63.5 x 9mm / Weight: 47g
 Features • Tax calculation
 • Grand total memory
 ♦ Extra large display
 • Wallet case included
 • Metal faceplate



Package Type: Hangable Window Box (HWB)



Eco friendly 43% made from recycled materials of Canon products

HS-20TG 12-digit Desktop

Size: 164 x 105 x 33mm / Weight: 152g
 Features ♦ Tax calculation
 • Grand total memory
 • Large upright display
 • Decimal (+43210F) and rounding selection
 ♦ Metal faceplate



Package Type: Hangable Window Box (HWB)



Eco friendly 52% made from recycled materials of Canon products

TS-1200TG 12-digit Desktop

Size: 188 x 133 x 29mm / Weight: 241g
 Features • Tax calculation
 • Grand total memory
 ♦ Extra large adjustable tilt display
 • Decimal (+43210F) and rounding selection
 • Executive finish – metallic top coating



Adjustable Display





Perfect for
**Medical,
Business &
Engineering Use**

GREEN LASER



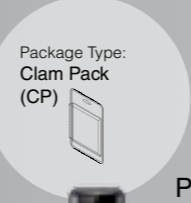
Ideal for
**Business Conference &
Lectures**

DOUBLE RED LASER



Best Partner for
Travelling & Business Trips

RED LASER



Package Type:
Clam Pack
(CP)



PR10-G
Green Laser Presenter with Polished Design and Advanced Functions

- Size: 136 x 33 x 26mm
Weight: 48g (without batteries) / 71g (with batteries)
- Features
- Brilliant Green Laser – 8X more visible than normal red laser*1 for extra brightness and clearness pointing
 - Slideshow Controls allows moving between slides
 - Timer and vibration alert setting enable managing time during presentations
 - Backlit LCD improves presentation flexibility in low light environments
 - Handy and Ergonomic design allow intuitive control of well planned buttons without looking
 - Long wireless range of 30 metres*2
 - Plug and connect instantly without any setup
 - Compatible with Mac OS X and Windows®
 - Pouch Case included

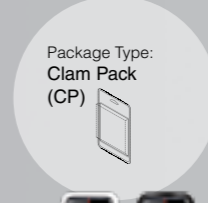
8X MORE VISIBLE GREEN LASER

SLIDESHOW CONTROLS

TIMER & VIBRATION

BACKLIT LCD

30 metres UP TO 30M EFFECTIVE RANGE



Package Type:
Clam Pack
(CP)



PR100-R
Double Red Laser Presenter with Timer & Well-organized Keys

- Size: 136 x 33 x 26mm
Weight: 43g (without batteries) / 66g (with batteries)
- Features
- Double Red Laser – 2X more visible than normal red laser*1 for brightness and easy to see
 - Slideshow Controls allows moving between slides
 - Timer and vibration alert setting enable managing time during presentations
 - Backlit LCD improves presentation flexibility in low light environments
 - Handy and Ergonomic design allow intuitive control of well planned buttons without looking
 - Long wireless range of 15 metres*2
 - Plug and connect instantly without any setup
 - Compatible with Mac OS X and Windows®
 - Pouch Case included

Available in:
PR100-R-BK PR100-R-WH

2X MORE VISIBLE RED LASER

SLIDESHOW CONTROLS

TIMER & VIBRATION

BACKLIT LCD

15 metres UP TO 15M EFFECTIVE RANGE



Package Type:
Hangable
Window Box
(HWB)



PR1000-R
Compact & Easy to Carry Presenter with Convenient Functions

- Size: 135.5 x 22 x 22.5mm
Weight: 25.5g (without battery) / 37g (with battery)
- Features
- Compact size Red Laser pointer
 - Slideshow Controls allow moving between slides
 - Convenient Volume Controls for music and audio volume adjustment
 - Long wireless range of 15 metres*2
 - Plug and connect instantly without any setup
 - Compatible with Mac OS X and Windows®

RED LASER

SLIDESHOW CONTROLS

VOLUME CONTROLS

15 metres UP TO 15M EFFECTIVE RANGE



Clear and well-planned key position



Long wireless range of up to 15 or 30 metres (PR10-G only)

Supported OS

Windows® 10 / 8.1 / 8 / 7 / Vista (SP2 or above)
Mac OS X 10.11 - 10.5*3

Compatible Software

Microsoft® Office PowerPoint 2013, 2010, 2007 and 2003
Adobe Reader 11 / 10 for Windows
PowerPoint for Mac 2011
Mac Keynote version 6.5*3
Mac Preview version 8.0 to 4.2

*1 Compare with red laser of 650nm wavelength and 1mW power
*2 Wireless range might be affected by the environment
*3 PR1000-R does not support Start / End Slide and Black Screen functions on Keynote

Precious Moments

A calculator could be a memorable gift recording your different stages of life with special messages. A theme could also be printed on the upper case or lower case.



An example of LS-123T (Blue) customization.

Product images Promotion

Long lasting laser engraving can be applied on the aluminium casing with graphic patterns or even photo images.



An example of XMark II customization.

Corporate Business

By including company logos, symbols or even signature, our calculators will become unique corporate gifts, which help raise brand popularity.



An example of AS-120V (purple) customization.

Event Celebration

Event logo can be printed on the product, making it an ideal souvenir for celebrating events such as company anniversary and corporate events.



An example of CT-40 (white) customization.

Customization Options for Canon Calculators

With customized printing and patterns, calculators could be a delicate gift for special events, promotion and precious moments in life. Various package design options make the calculator a perfect sales promotional tool for raising brand awareness and product popularity.

DISPLAY SCREEN

- Graphic or pattern can be silk printed on the display screen area.
- Customized logo / panel can be placed on the selected space.

KEYTOP

Customized by changing the colour and key printing with logo, icon or words.

LASER ENGRAVING

- Only applicable for calculator models with aluminium lower case.
- All laser engraved images or words would appear in white or grey colour (the colour contrast depends on the engraving duration), on the aluminium lower case.

LOWER CASE

Customized by changing the lower case colour.

X series

UPPER CASE

- Graphic or pattern can be silk printed on the upper case.
- Customer logos or wordings can be placed on the selected space.

KEYTOP

Customized by changing the colour and key printing with logo, icon or words.

SILK PRINTING

- Applicable for calculator models with normal plastic lower case.
- Graphics, icons or words can be printed with selected Pantone colours.

LOWER CASE

Customized by changing the lower case colour.

General calculator

* Minimum Order Quantity Required - Contact Canon Australia Representative for more information.

* Minimum Order Quantity Required - Contact Canon Australia Representative for more information.

Calculator Functionality

		Tax Calculation	Business Calculation	EURO/Currency Conversion	Replay Calculation	Clock and Calendar	Recycled Content	Anti-bacterial	Independent Memory		
K Series	LS-123K	•						•	1		
	F-717SGA				•			•	19		
Desktop	Office & Business	LS-100TS	•	•					1		
		HS-1200TS	•	•					1		
		LS-121TS	•	•						1	
		TX-220TS	•	•						1	
		WS-220TC	•		•					1	
	Basic & Economic	LS-120V II								1	
		LS-88V II								1	
		LS-82Z								1	
		Heavy Duty	BS-1200TS	•	•						1
			WS-1210HI III	•							1
Arc Series	AS-220RTS	•	•	•					1		

TAX CALCULATION
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.

BUSINESS CALCULATION
Perform complex calculations quickly and easily with our Business calculators and save time. Cost, Sell and Margin functions allow you to calculate profit margins automatically, without the need for complicated formulae.

RECYCLED MATERIAL
Calculators that are partially made from recycled Canon materials. Canon has long been making great efforts in reduce the environmental impact of its products.

CLOCK AND CALENDER
Built-in clock and calendar allows users to keep track of the time and date on the display. The calculator also has the function of printing out time and date.

		Tax Calculation	Business Calculation	EURO/Currency Conversion	Replay Calculation	Clock and Calendar	Recycled Content	Anti-bacterial	Independent Memory
Handheld	LC-210L								1
	LS-270V II								1
	LS-330H								1
	LS-390H								1
	LS-153TS	•	•						1
	LS-QT								1
	Printing	P1-DTSC	•	•	•				
P23-DTSC		•	•	•	•				1
P29-DIV				•					1
X Series	X Mark II		•						1
Green Series	MP121-MG	•	•	•	•	•			1
	HS-20TG	•						•	1
	LS-63TG	•						•	1
	TS-1200TG	•						•	1

EURO/ CURRENCY CONVERSION
Our calculators with currency conversion enable you to make quick conversions between currencies at the push of a button. This handy function is available on selected models of printing and non-printing calculators for added convenience.

REPLAY/ CHECK & CORRECT CALCULATION
Our calculators with a replay function bring added accuracy and precision to long and complex calculations. Auto check function up to 120 steps check and correct and make any corrections that are required instantly. Thus eliminating the risk of calculation errors.

ANTI-BACTERIAL
Canon's anti-bacterial calculator helps eliminate any potential hygiene problems, as it has an approved inorganic antimicrobial agent* applied to the plastic upper case and key tops. This inhibits or reduces the growth of bacteria – making the calculator ideal for use in open plan offices, schools, cafeteria, hospitals and all other public places.

INDEPENDENT MEMORY
Each has at least one independent memory for storing a set of digits. Designed for users' convenience to recall to recall numbers with a single button.

Specifications are subject to change without notice.

Calculator Specifications

K Series

Desktop - Office & Business

	LS-123K	LS-100TS	HS-1200TS	LS-121TS	TX-220TS	WS-220TC
Type	Premium Display Calculator	Mini Desktop	Desktop	Desktop	Desktop	Desktop
Digits	12	10	12	12	12	12
Power Source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR44	LR44	LR44	CR2032	LR44	LR44
Preset Decimal	—	—	+43210F	—	+420F	+43210F
Tax Calculation	•	•	•	•	•	•
Business Calculation	—	•	•	•	•	—
Currency Conversion	—	—	—	—	—	•
Memory	1	1	1	1	1	1
GT	•	—	•	•	•	—
%±	•	•	•	•	•	•
√	•	•	•	•	•	•
↺↻↻	•	•	•	•	•	•
→	•	•	•	•	•	•
Rounding	—	—	↕ 5/4 ↕	—	↕ 5/4 ↕	↕ 5/4 ↕
00/000	00	—	00	00	00	—
Recycled Content	•	—	—	—	—	—
Special Features	Slim body design with trendy colours	Metallic silver body	Metallic silver body	Metallic silver body	Extra large adjustable display	Wide keyboard

Specifications are subject to change without notice.

Basic & Economic

Heavy Duty

Arc Series

	LS-120V II	LS-88V II	LS-82Z	BS-1200TS	WS-1210HI III	AS-220RTS
Type	Mini Desktop	Mini Desktop	Mini Desktop	Desktop	Desktop	Desktop
Digits	12	8	8	12	12	12
Power Source	Dual power	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	CR2032	LR1130	LR1130	CR2032	LR44	LR44
Preset Decimal	320AF	—	—	+43210F	+4320F	—
Tax Calculation	—	—	—	•	•	•
Business Calculation	—	—	—	•	—	•
Memory	1	1	1	1	1	1
GT	•	—	—	•	•	—
MU	—	—	—	—	•	—
RV	—	—	—	—	•	—
%±	•	•	•	•	•	•
√	•	•	•	•	•	—
↺↻↻	•	•	—	•	•	•
→	•	—	—	•	•	•
Rounding	5/4	—	—	↕ 5/4 ↕	↕ 5/4 ↕	—
00/000	00	—	—	00	00	00
Special Features	Extra large display	Portable compact size	—	Durable double injection keys	IT touch keys; Adjustable display	120 steps check and correct function

Specifications are subject to change without notice.

Calculator Specifications

Handheld



	LC-210L	LS-270V II	LS-330H	LS-390H	LS-153TS	LS-QT
Type	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld
Digits	8	8	8	8	10	8
Power Source	Battery	Dual power	Dual power	Dual power	Dual power	Dual power
Battery	LR1130	LR1130	CR2032	LR1130	LR1130	CR2016
Tax Calculation	—	—	—	—	●	—
Business Calculation	—	—	—	—	●	—
Memory	1	1	1	1	1	1
%±	●	●	●	●	●	●
√	●	●	●	●	●	—
↺	—	●	●	●	●	—
→	—	—	—	—	●	—
Wallet Case / Hard Cover	Hard cover	—	—	Hard cover	Wallet case	—
Special Features	360 degree cover	Mark up functions	Mark up functions	Ergonomic design	Metallica silver body	Ergonomic design

Specifications are subject to change without notice.

Printing



	P1-DTSC	P23-DTSC	P29-DIV	MP121-MG
Power Source	AC/DC	AC/DC	AC	AC
Back-up Battery	CR2032 x 1	CR2032 x 1	CR2032 x 1	CR2032 x 1
Printing Type	Ink roller	Ink roller	Ink ribbon	Ink roller
Printing Speed (lines/sec)	2	2.3	3.6	2.3
Printing Colour	1	2	2	2
Preset Decimal	+0234F	+023F	+0123F	+43210F
Tax Calculation	●	●	—	●
Business Calculation	●	●	—	●
Currency Conversion	●	●	●	●
Clock & Calendar	—	●	—	●
Cash Change Function	—	—	—	—
GT	—	—	By accumulated key	●
Item Count	—	●	●	●
%±	●	●	●	●
+	—	●	●	●
# / ∅	#	●	●	●
↺	●	●	—	—
→	—	●	—	●
Rounding	5/4 ↓	↕ 5/4 ↘	5/4 ↓	↕ 5/4 ↘
00/000	—	00	00	0/00/000
Ink Cartridge	CP-16 II	CP-13 II	EP102	CP-13 II
Roll Paper	57 x 57mm	57 x 57mm	57 x 57mm	57 x 57mm
Special Features	Low battery indicator	Low battery indicator	Delta percent calculation	Made from recycle material

Specifications are subject to change without notice.

Calculator Specifications

X Series

Green Series



	X Mark II	MP121-MG ¹	HS-20TG	LS-63TG	TS-1200TG
Type	Premium Display Calculator	AC Printing Calculator	Desktop	Handheld	Desktop
Digits	12	12	12	8	12
Power Source	Solar only	AC	Dual power	Dual power	Dual power
Battery	—	CR2032 (back up)	CR2032	CR2016	CR2032
Preset Decimal	—	+01234F	—	—	+43210F
Tax Calculation	—	●	●	●	●
Business Calculation	●	●	—	—	—
Currency Conversion	—	●	—	—	—
Memory	1	1	1	1	1
GT	●	●	●	—	●
%±	●	●	●	●	●
√	●	—	●	●	●
↺	●	—	●	●	●
→	●	●	●	—	●
Rounding	—	↕ 5/4 ↘	●	—	5/4 ↘
00/000	00	00/000	00	—	00
Recycled Content	●	●	●	●	●
Special Features	Laser engraved keys	Clock and calendar	Upper case with cosmetic metal plate	Extra large display	Adjustable display

¹ Please also refer to Printing Calculator for details.

Specifications are subject to change without notice.

Presenter



	PR10-G	PR100-R	PR1000-R
Laser Color	Green	Double Red	Red
Wireless Range	30 metres	15 metres	15 metres
Timer Function	●	●	—
Vibration Function	●	●	—
Vibration ON/OFF	●	●	—
Start / End Slide	●	●	●
Page Up/Down	●	●	●
Black Screen	●	●	—
Volume Control	—	—	●
Auto Backlight Off	●	●	—
Low Battery Indicator	●	●	—
Accessories	Pouch case, USB dongle	Pouch case, USB dongle	USB dongle
Power Source	AAA battery x 2	AAA battery x 2	AAA battery x 1
Radio Frequency	2.4GHz	2.4GHz	2.4GHz
Supported OS	Windows® 10 / 8.1 / 8 / 7 / Vista (SP2 or above), Mac OS X 10.11 - 10.5* ¹		
Compatible Software	Microsoft® Office PowerPoint 2013, 2010, 2007 and 2003, Adobe Reader 11 / 10 for Windows, PowerPoint for Mac 2011, Mac Keynote version 6.5* ¹ , Mac Preview version 8.0 to 4.2		

*¹ PR1000-R does not support Start / End Slide and Black Screen functions on Keynote

Specifications are subject to change without notice.



* WS-1210Hi III as an example.

TAX CALCULATION

Storing Tax Rate
Rate: 5%

Operation	Display
5 [RATE] [SET]	(TAX 5.)

Recall Tax Rate

Operation	Display
[RATE] [RECALL]	(TAX 5.)

E.g. Price \$2000 without tax

Calculation	Operation	Display
Selling price with tax= ?	2000 [TAX+]	(TAX+ 2'100.)
Tax= ?	[TAX+]	(TAX 100.)

E.g. Price \$3150 with tax

Calculation	Operation	Display
Price without tax= ?	3150 [TAX-]	(TAX- 3'000.)
Tax= ?	[TAX-]	(TAX 150.)

GRAND TOTAL

Example

Calculation	Operation	Display
30 x 40	30 [X] 40 [=]	(GT 1'200.)
+ 50 x 60	50 [X] 60 [=]	(GT 3'000.)
4200	[GT]	(GT 4'200.)
+ 25 x 30	25 [X] 30 [=]	(GT 750.)
4950	[GT] (Recalling memory)	(GT 4'950.)
	[GT] (Clearing memory)	(4'950.)

MARK-UP FUNCTION

E.g. Cost \$2000, Profit= 20% of selling price

Operation	Display
2000 [÷] 20 [MU]	(2'500.)
Profit=?	
[MU]	(500.)

REVERSE FUNCTION

E.g. "5 ÷ 10" change to "10 ÷ 5".

Operation	Display
5 [÷] 10 [RV] [=]	(2.)

MEMORY KEYS

Example

Calculation	Operation	Display
3 x 4	3 [X] 4 [M±]	(M 12.)
-) 6 ÷ 0.2	6 [÷] 0.2 [M±]	(M 30.)
-18	[RM CM]	(M -18.)
+ 200	200 [M±]	(M 200.)
182	[RM CM] (Recalling memory)	(M 182.)
	[RM CM] (Clearing memory)	(182.)

CURRENCY CONVERSION

Storing Currency Rate
[⌘] = 1.2809 (US\$) and [⌘] = 1 (Euro)

Operation	Display
[CA] [⌘]	(1.)
1.2809 [⌘]	(1.2809)

Recall Currency Rate

Operation	Display
[CA] [⌘]	(1.2809)

Converting Currency

Calculation	Operation	Display
Euro 78 = US ?	78 [EURO]	(99.91)
US\$ 48 = Euro ?	48 [⌘]	(EURO 37.47)



* WS-220TC as an example.

BUSINESS CALCULATION

Examples

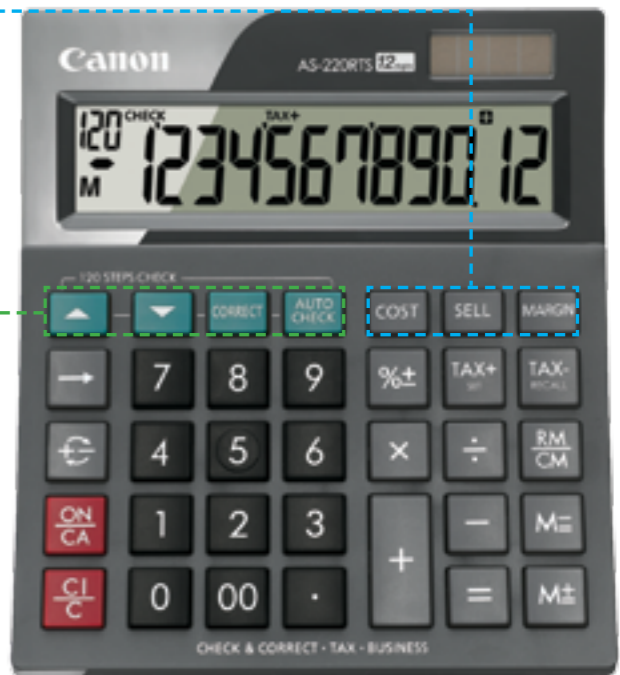
Cost	Sell	Margin	Calculation
?	\$2000	30%	[ONICA] 2000 [SELL] 30 [MARGIN] → 1400
\$1500	?	20%	[ONICA] 1500 [COST] 20 [MARGIN] → 1875
\$1500	\$2000	?	[ONICA] 1500 [COST] 2000 [SELL] → 25

CHECK-AND-CORRECT FUNCTION

E.g. Correct "+300" to "-200".

(500+300-60) x 5

Operation	Display
500 [÷] 300 [÷] 60 [X] 5 [=]	(05 =3'700.)
Press [▽] 2 times	(02 CHECK +300.)
Correct to "-200"	
[CORRECT]	(02 CORRECT +300.)
[−] 200 [CORRECT]	(02 CHECK −200.)
(500-200-60) x 5	
Operation	Display
Press [▽] 3 times	(05 CHECK =1'200.)



* AS-220RTS as an example.

Glossary of Functions

ALGEBRAIC OPERATING SYSTEM

Algebraic expressions can be entered just as they are written. A predetermined priority level exists which first calculates high priority then low priority operators e.g.: Multiplication and division completed prior to addition and subtraction i.e.: $4 + 6 \times 4 = 28$

ADDING MACHINE OPERATING SYSTEM

Also described as Business Machine Logic. Numbers entered need to be denoted whether they are positive (debits) or negative (credits). In general it is used with the printing calculators.

OPERATION KEY SWITCHES/ BUTTONS

Decimal Point Selection 

Fixed

Results are calculated to a pre-selected number of decimal places e.g. 2, 3 or 4 etc in accordance with the rounding switch.

Floating (F)

Results are displayed and printed with no limit on decimal places except the capacity of the display.

Add Mode (+)

Decimal point placed before last two digits on display and printout. No decimal point entry is needed, therefore suitable for currency cash calculations.

Rounding Selection 

Round Off (5/4)

Result of multiplication and division rounded to a whole number e.g. $2.4 = 2$ and $2.5 = 3$

Round Down (5/4 ↘)

Rounds the last digit down if less than 5 e.g. $2.6 = 2$

Round Up (↗ 5/4)

Rounds the last digit up if 5 or greater e.g. $2.2 = 3$

Item Count 

Item (OFF / n+ / n+/-)

Each addition and subtraction entry is counted and printed on the left side of the paper roll.

Accumulation

AM

Entries or results automatically accumulated in the first memory.

Constant

K

Performs multiplication and division calculations by a manual constant.

FUNCTION KEY BUTTONS

BUSINESS CALCULATION

 /  / 

Performs cost, selling price and profit margin calculation. Enter to obtain the balance value item.

TAX CALCULATION

 / 

Adds or subtracts the predetermined sales tax rate (%) to/ from the calculation.



Set switch to "RATE" for setting or recalling the TAX rate.

CURRENCY CONVERSION CALCULATION

 /  or 

Perform currency conversion if the corresponding rate is registered.

REPLAY / CHECK & CORRECT CALCULATION

 /  and 

Reviews the steps of the calculation

 / 

Replay key allows for reviewing the previous or next calculation step.



Correct key allows for correcting calculation contents in the Replay mode.



Automatically scrolls through the calculation step from beginning to end.

BASIC FUNCTION KEYS



Performs standard percentages along with add on or discount calculations.

 / 

Mark up-selling price calculated based on the cost price and profit margin percentage. Mark down-cost price calculated from the selling price and profit (loss) margin percentage.



Reverse key automatically swaps the operator and operand of calculation e.g. " $8 \div 4$ " change to " $4 \div 8$ ".



When the calculations are performed with the GT switch set to "ON", the totals are accumulated in the grand total memory.



Used for changing the sign (+ or -) of the displayed numbers.

CANCEL KEYS



Clear indication key cancels the displayed numbers and corrects an entry as a whole.



Clear entry key cancels an incorrect entry.

 / 

Clear key cancels an incorrect entry or command and exercise must be restarted.

 / 

Shift key moves displayed numbers to the right thereby deleting numbers each time the key is pressed.

INDEPENDENT MEMORY KEYS

Accumulating / Storing in memory

 / 

A. Results of multiplication and division automatically added to the memory. Also adds a number to the memory.



 / 

B. Results of multiplication and division automatically subtracted from the memory. Also subtracts a number from the memory.



DOUBLE MEMORY KEYS

Accumulating / Storing in memory I/II

 / 

Refer to  / 

 / 

Refer to  / 

Recalling / Clearing memory.

 / 

Recalling the contents of the memory.

 / 

Clearing the contents of the memory (for non-printing models).

PRINTING CALCULATOR KEYS



Used for calculating the change amount, it performs accurate and fast cash change calculation.



Non add key allows the printing of dates, reference numbers etc. to be printed on left side of the paper roll without affecting the calculation.



Sub total key allows intermediate result of a calculation to be printed on the left side of paper roll.

 / 

This is the key for specifying the number of digits after the decimal point of the calculation result.

 /  or 

Paper feed. Used for inserting the paper.





The printing quality can be checked by pressing "TEST" key.



Used to switch between calendar or clock mode.

PRESENTER KEYS

Hold to point out the red/green laser beam.



Start or end a presentation.



Perform the next animation or advance to the next slide.



Perform the previous animation or return to the previous slide.



Display a blank black slide, or return to the presentation from a blank black slide.

Accessories and Consumables

Battery and Adapter

LR1130	LS-82Z, LS-153TS, LS-88V II, LS-270V II, LC-210L, LS-390H, LS-153TS
LR44	LS-123K, WS-1210Hi III, LS-100TS, AS-220RTS, WS-220TC, HS-1200TS
CR2016	LS-63TG, LS-QT
CR2032	HS-20TG, TS-1200TG, BS-1200TS, TX-220TS, LS-121TS, LS-120V II, LS-330H
CR2032 x 1 (back-up)	MP121-MG, P1-DTSC, P23-DTSC, P29-DIV
AA x 4	P1-DTSC, P23-DTSC
AD-35 II Adapter	P1-DTSC, P23-DTSC
AAA x 2	PR10-G, PR100-R
AAA x 1	PR1000-R

Ink Ribbon / Roller / Cassette

CP-13 II	MP121-MG, P23-DTSC
CP-16 II	P1-DTSC
M-310/EP-102	P29-DIV

Roll Paper

57 x 57mm	MP121-MG, P1-DTSC, P23-DTSC, P29-DIV
------------------	--------------------------------------

Package Explanation



All the packaging images are for reference only.

Symbol Guide

Special icons for X Series

Aluminium case	Solar powered only

Special icons for printing type

2 colour printing	Clock & calendar	AC power

Special icons for Presenter

Up to 15M effective range	Up to 30M effective range	Backlit LCD	Red laser	Slideshow controls
	2X	8X		
Volume controls	More visible red laser	More visible green laser	Timer & vibration	

Icons for general type

Number of Digit					
8-digit calculation capacity	10-digit calculation capacity	12-digit calculation capacity			
Value Added Function					
Tax calculation	Business calculation (Cost, sell, margin)	Currency conversion	Mark-up calculation	Reverse calculation	Grand total function
Check & correct function	I.T. touch key	Double injection key	Silent input	Numbers of scientific & statistical functions (The number depends on which models)	
Display Type			Protective Case		
Large display	Textbook display	360° protective hard cover	Wallet case	Slide hard case	
Display Angle					
Internal angle display		Adjustable display		Upright angle display	
Power Source			Others		
Dual power	Battery only	Low battery indicator (AA / AAA type)	Recycled Canon product materials	Anti-bacterial	

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