SECU**LIFE** | IT, SECU**LIFE** | ITC
Luminance Tester

SECU**LIFE** IT, SECU**LIFE** ITC the accurate measurement of the illuminance

- Illuminance can be measured in Lux or Footcandle
- Cosine correction for oblique incident light
- Meets Standards DIN 5032-7 and CIE no. 69
- Data memory for up to 100 single measuring values
- Rugged instrument design
- Wide measuring ranges
- Easy operation
- High resolution

SECU**LIFE** IT and SECU**LIFE** ITC are high-precision tools for the reliable measurement of illuminance from daylight or artificial light sources. The Class B variant is primarily used as an operating instrument.
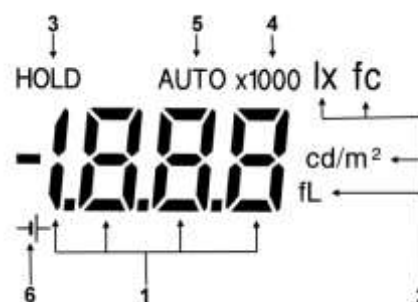The device allows the accurate measurement of the illuminance in the unit lx or fc.
The light collector with circular orifice in the photometer head has integrated cosine correction, so that oblique incident light will be measured accurately. Both SECU**LIFE** types allow measuring very high intensity light (daylight, headlights) without additional accessories. Especially the SECU**LIFE** IT having an initial sensitivity of 0.01 lx is ideally suited for measuring of extremely low light intensities, such as emergency lighting.

The accuracy of that human eye $V(\lambda)$ adaption is the main difference between the two types SECU**LIFE** ITC and SECU**LIFE** IT. The quality classes for illuminance meters have been defined in the Standard Specifications DIN 5032, Part 7. Consequently, the SECU**LIFE** ITC complies with Class C, SECU**LIFE** IT complies with Class B (DIN 5032, part 7 and 8).

SECU**LIFE** IT and SECU**LIFE** ITC are provided with a measuring value memory with 100 data spaces, which can be read and processed directly by the keys and the display but also through the integrated USB Port and the Standard Software supplied with the meters.

Description of display

1) Display of measuring value and Memory
2) Measuring Unit
3) Display "HOLD" indication / Buffer Storage
4) Multiplying factor for measuring value
5) Auto ranging – automatic range selection
6) Low Battery

Purchase parts
1 Battery
1 USB cable
1 Carrying case
1 Operating Instructions
1 Software

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Technical Data

Device:

Display	LCD 50 x 25 mm
Dimensions	Display Unit: 65 x 120 x 19 mm
	Photometer Head: 31 x 105 x 30 mm
Weight	approx. 200 g (without battery)
Battery life	approx. 45 h continuous operation
Interface	USB 1.1 Port
Power Supply	Battery: one 1.5 V AA alkaline manganese cell Size AA (IEC LR 6)
	PC connected: power will be supplied by the PC via the USB cable
Optional Accessories	Luminance attachment, Adapter disk, calculator-disk

Measure:

General	
Measuring range SECU**LIFE** IT	0,01 lx to 199 900 lx and 0,1 cd/m² to 1 999 000 cd/m² in 5 ranges (with Luminance Attachment)
Measuring range SECU**LIFE** ITC	0,1 lx to 199 900 lx and 1 cd/m² to 1 999 000 cd/m² in 4 ranges (with Luminance Attachment)
Measurement rate	2 measurements per second
Functions:	Luminous intensity 10 to 190 000 lx Autorange, Range Hold, Manual Range, displays Lux (lx)/ Footcandle (fc), Hold function and Max-function for display

Ordering information

Description	Type	Order number
Digital illuminance class B	SECU**LIFE** IT	M688A
As M688A factory calibration and factory calibration certificate included	SECU**LIFE** IT BWK	M688G
As M688A DAkkS calibration and DAkkS calibration certificate included	SECU**LIFE** IT BDK	M688H
Digital illuminance class C	SECU**LIFE** ITC	M688E
As M688E factory calibration and factory calibration certificate included	SECU**LIFE** ITC BWK	M688I
As M688E DAkkS calibration and DAkkS calibration certificate included	SECU**LIFE** ITC BDK	M688J
Zubehör		
Luminance adapter for probe with 10 mm diffuser	Luminance adapter	
Luminance adapter for probe with 20 mm diffuser	Luminance adapter	Z688A
Adapter disk for contact measurement	Adapter disk	Z688B
Special cable lengths available for an extra charge: optionally 3 m / 5 m / 10 m		

For more information on accessories, see www.gossenmetrawatt.com