Luxmeter
LX 100

CE

TECHNICAL FEATURES

Measuring range	From 0.0 to 150 000 Lux From 0.00 to 13940 fc
Directional sensitivity (f2)[1]	< 6%
Linearity (f3)[1]	< 3%
Measurement capability	3 days – 03D00H00M
Display	Backlit LCD graphic 128 x 64
Conditions of use (°C/%RH/m)	From 0 °C to +50 °C. In non-condensation condition. From 0 to 2000 m.
Storage temperature	From 0 °C to +50 °C
Housing dimension (without sensor)	120 x 58 x 34 mm
Weight (housing+sensor+battery)	185 g
Mini-USB plug	For USB power supply adaptor
Power supply	3 batteries 1.5 V type LR3-AAA
Battery life	72 hours min, continuous operation
European directives	2004/108/EC EMC ; 2006/95/EC Low tension ; 2011/65/EU RoHS II ; 2012/19/EU WEEE

[1] The f2 and f3 coefficient are defined according to the French NF C 42-710 standard.

ILLUMINANCE MEASURING RANGE

* from 0.0 to 150 000 Lux

Display	Unit	Resolution	Accuracy*
0.0 to 10.0	lx	0.1	
10.0 to 99.9	lx	0.1	
100.0 to 999.9	lx	0.1	± 3% of reading or ± 3 lux
1000 to 9999	lx	1	
10.00 to 99.99	klx	0.01	
100.0 to 150.0	klx	0.1	

* from 0 to 13940 fc

Display	Unit	Resolution	Accuracy*
0.00 to 1.00	fc	0.01	
1.00 to 99.99	fc	0.01	
100.0 to 999.9	fc	0.1	± 3% of reading or ± 0.28 fc
1000 to 9999	fc	1	
10.00 to 13.94	kfc	0.01	

Illuminance measurement in lux or in foot-candelas for illuminance levels below 10 lux, with 0,1 lux calculation accuracy and with 1% accuracy beyond until 150000 lux.

Instantaneous measurement, display illuminance for local measurements.

With timed measurement :
* Illuminance min/max values display
* Illuminance averaged value calculation

*With relative illuminance function :*
* *allows a relative measurement to a reference point for the quantification of a luminous contribution or an illuminance decrease.*

With hold function :
* Allows to avoid illuminance noise or to save on screen local measurement.

Measurement saving when unexpected power cut occurs.

* All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.
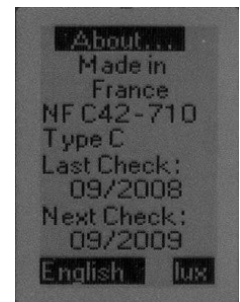
1 2 3	**Functions keys**
4	**Key back to previous screen**
5	**Screen** key
6	**On / Off** key
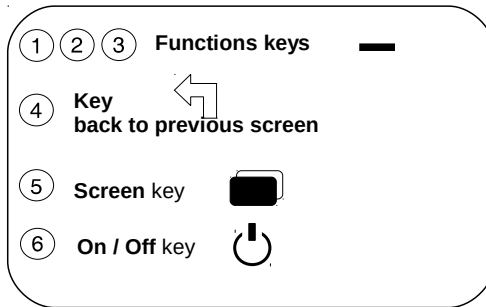
Settings

Configurable, **LX100** allows :

Contrast and backlight settings

Select language (french or english) and measuring units (lux or fc)

Measurement

Instantaneous

Instantaneous value

Max value

Min value

Hold function

Averaged

Instantaneous value

Average

Max value

Min value

Timer

Relative

Instantaneous fluctuating illuminance

Relative illuminance

Reference illuminance

Hold function
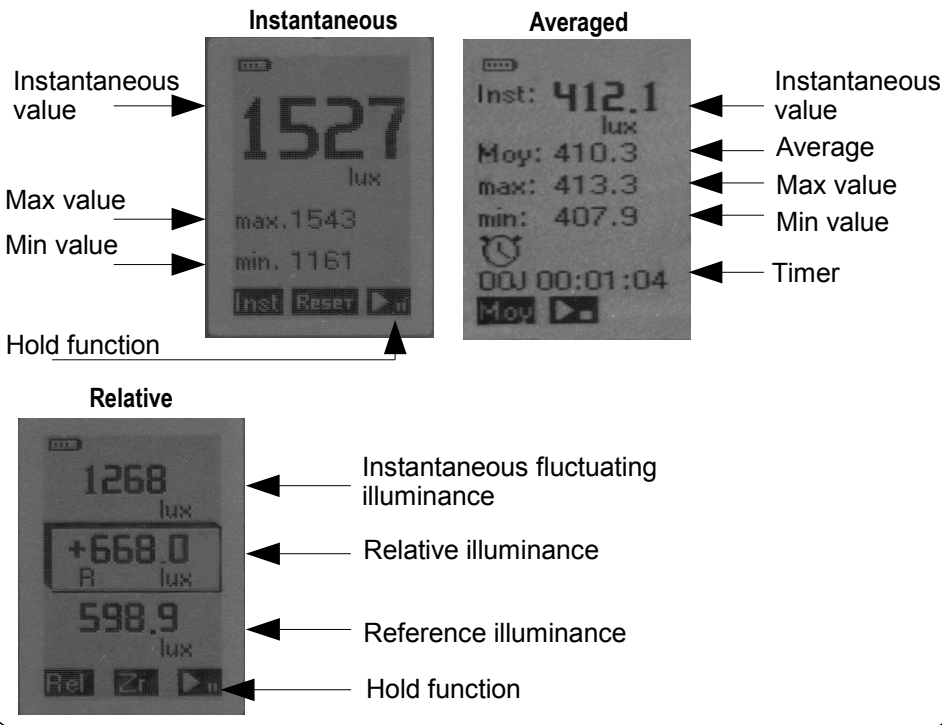
SUPPLIED WITH...

- **LX100** housing with silicon photodiode sensor and glass filter correction.
- Transport case
- 3 batteries LR3-AAA
- Calibration certificate
- **LX100** user manual

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