

DATA SHEET

LX 100

Luxmeter



Technical specifications

Measuring range	From 0.0 to 150 000 Lux. From 0.00 to 13940 fc
Directional sensitivity (f2)*	< 6 %
Linearity (f3)*	< 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 voltage; 2011/65/EU RoHS II; 2012/19/EU WEEE

Illuminance measuring range

from 0.0 to 150 000 Lux

Display	Unit	Resolution	Accuracy**
0.0 to 10.0	lx	0.1	±3% of reading or ±3 lux
10.0 to 99.9	lx	0.1	
100.0 to 999.9	lx	0.1	
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	±3% of reading or ±0.28 fc
1.00 to 99.99	fc	0.01	
100.0 to 999.9	fc	0.01	
1000 to 9999	fc	1	
10.00 to 13.94	kfc	0.01	

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.

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

**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.

Buttons



- 1 - 2 - 3 - Functions keys
- 4 - Key back to previous screen
- 5 - Screen key
- 6 - On / Off key

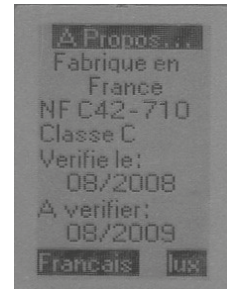
Settings

Configurable, LX100 allows:

- Contrast and backlight settings



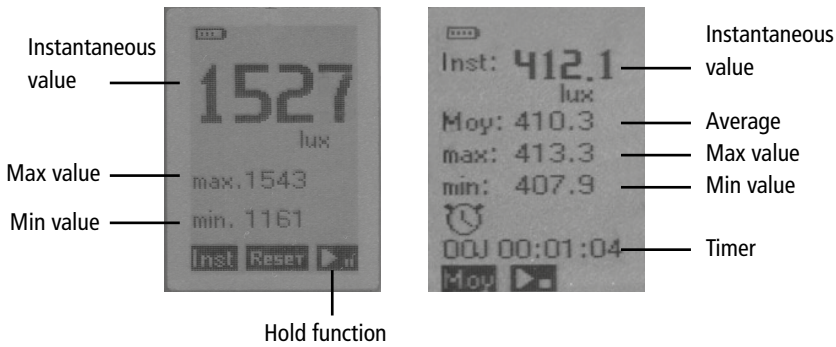
- Select language (french or english) and measuring units (lux or fc)



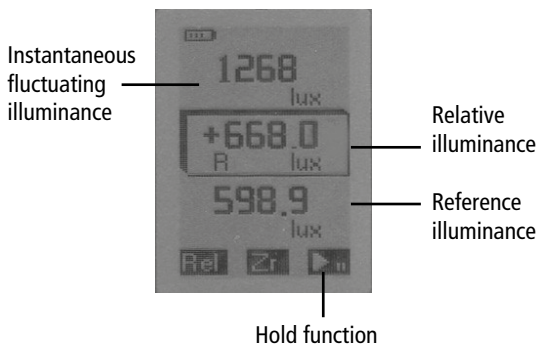
Measurement

Instantaneous

Averaged



Relative



Kit content

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