

Luxmeter LX 100



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 voltage; 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 | ±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 | 0.1 | |
| 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.


* 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



Averaged



Relative



Instantaneous value →

Max value →

Min value →

Hold function →

Instantaneous value ←

Average ←

Max value ←

Min value ←

Timer ←

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

www.kimo.fr



EXPORT DEPARTMENT
 Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29
 e-mail : export@kimo.fr

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 866-327-8731
www.techniCAL-sys.com

