

# Luxmeter LX 100



## Technical features

|   |  |
|---|--|
| Measuring range.....                    | from 0,1 to 150 000 Lux<br>from 0.01 to 13940 fc             |
| Spectral response.....                  | as per standard photopic curve<br>V(λ) NF C 42 -710 class C. |
| Error limit V(λ) (f1) .....             | < 10%  |
| True cosine evaluation (f2).....        | < 6%   |
| Linearity (f3).....                     | < 3%   |
| Measurement capability.....             | 3 days – 03D00H00M   |
| Display.....                            | Backlit LCD graphic 128x64.                                  |
| Working temperature.....                | from 0°C to +50°C  |
| Storage temperature.....                | from 0°C to +50°C  |
| Housing dimensions (without sensor).... | 120x58x34 mm   |
| Weight (housing+sensor+battery).....    | 185 gr   |
| Digital electronic.....                 | low drift  |
| Mini-USB plug.....                      | for USB power supply adaptor                                 |
| Power supply.....                       | 3 batteries 1.5V type LR3-AAA                                |
| Battery life.....                       | 72 hours min. continuous operation.                          |
| Electromagnetic compatibility.....      | according to 89/336/CEE                                      |
| Conformity.....                         | as per RoHS  |

## Illuminance measuring range

♦ from 0,1 to 150 000 Lux

| Display        | Unit | Resolution | Accuracy |
|----------------|------|------------|----------|
| 0.1 to 10.0    | lx   | 0.1        | 0.1 lux  |
| 10.0 to 99.9   | lx   | 0.1        | 1%       |
| 100.0 to 999.9 | lx   | 0.1        | 1%       |
| 1000 to 9999   | lx   | 1          | 1%       |
| 10.00 to 99.99 | klx  | 10         | 1%       |
| 100.0 to 150.0 | klx  | 100        | 1%       |

♦ from 0 to 13940 fc

| Affichage      | Unité | Résolution | Précision |
|----------------|-------|------------|-----------|
| 0.00 to 1.00   | fc    | 0.01       | 0.01 fc   |
| 1.00 to 99.99  | fc    | 0.01       | 1%        |
| 100.0 to 999.9 | fc    | 0.1        | 1%        |
| 1000 to 9999   | fc    | 1          | 1%        |
| 10.00 to 13.94 | kfc   | 10         | 1%        |



**LX100** hand-held luxmeter, self-contained and automatic is specially designed to illuminance measurement.

Sensing element in silicon photodiode, with spectral responsivity in accordance with photonic curve (CIE).

**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 :**

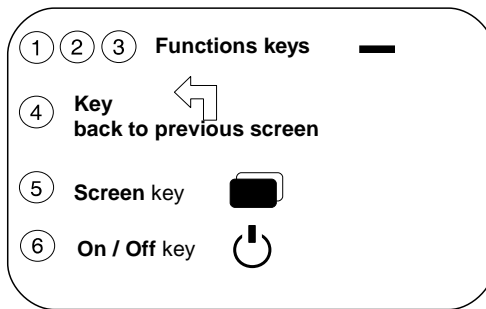
- allows a relative measurement to a reference point for the quantification of a luminous contribution or an illuminance decrease.

**With hold function :**

- Allows to avoid illuminance noise or to save on screen local measurement.

**Measurement saving** when unexpected power cut occurs.

## ■ Presentation



## Settings

Configurable, **LX100** allows :

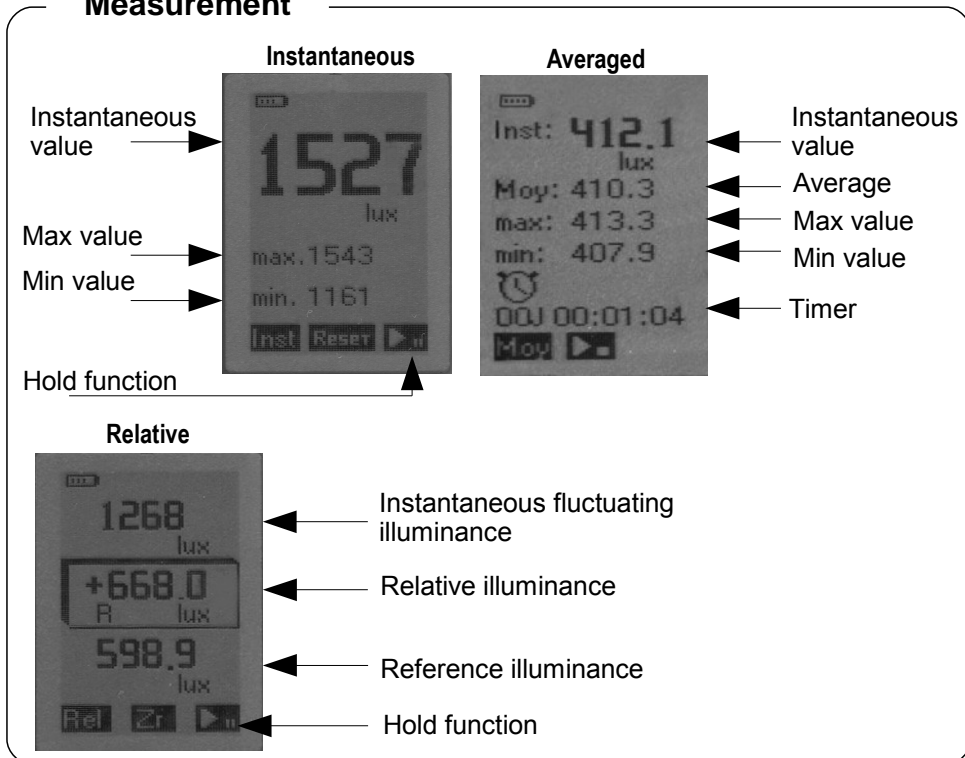
*Contrast and backlight settings*



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



## Measurement



## ■ 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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