

**Luxmeter
LX 200**



• Instantaneous illuminance

Displaying of instantaneous / maximum / minimum values.

• Relative illuminance

Allows a relative measurement to a reference point to quantify a light input or an illuminance decrease.

• Evolution of illuminance according to weather conditions

Storage of temporal evolution of illuminance for the follow up of environment conditions.

• Cartography of illuminance – Spatial representation

Coloured representation according levels obtained for printing of report (on a computer such as PC).

• Uniformity

Calculation of the min / ave ratio for determination of illuminance uniformity at workstation according to standards*.

• As per following standards :

NF EN 12464-1 – Lighting of workplaces (inside)

NF EN 12464-2 – Lighting of workplaces (outside)

NF EN 12193 – Lighting of sports facilities

• Supplied with LLX200 software

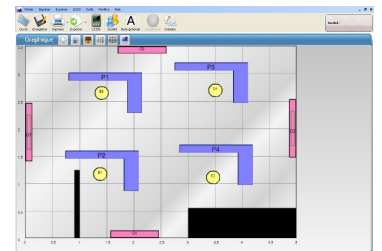
Operating software for data processing and printing of reports.



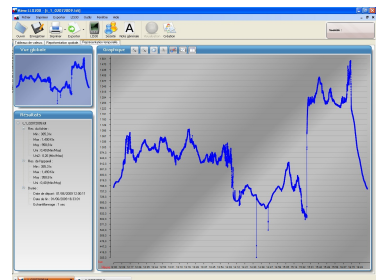
LX200 hand-held luxmeter, self-contained and automatic is specially designed to illuminance measurement. It allows storage of datasets for processing on a computer via the **LLX200** software.



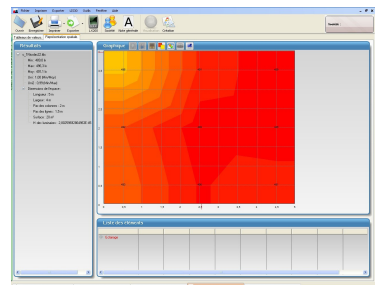
Determination of the illuminance uniformity of a local with graphic representation of workstations and luminaries



Following temporal evolution of illuminance of a workstation or a journey



Illuminance cartography with coloured nuance of a workstation (sports facilities)



ILLUMINANCE MEASURING RANGE

- ♦ from 0.0 to 200 000 Lux

Display	Unit	Resolution	Accuracy*
0.0 to 10.0	lx	0.1	± 2% of reading or ± 2 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 200.0	klx	0.1	

- ♦ from 0 to 18585 fc

Display	Unit	Resolution	Accuracy*
0.00 to 1.00	fc	0.01	± 2% of reading or ± 0.19 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 18.58	kfc	0.01	

* 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.

SUPPLIED WITH

- **LX200** housing with silicon photodiode sensor and glass filter correction.
- Transport case
- 3 LR3-AAA batteries
- Calibration certificate
- User manual
- **LLX200** software

OPTIONAL ACCESSORIES

- Extension for remote cell, 5 m length
- Battery module, 5 days autonomy
- AC adapter USB type

METROLOGY

LX200 instrument is calibrated on a specific optical bench. It comes with its calibration certificate. Our standard reference instruments are duly linked to COFRAC.

TECHNICAL FEATURES

Measuring range	From 0.0 to 200 000 Lux From 0.00 to 18585 fc
Directional sensitivity (f2)¹	< 6%
Linearity (f3)¹	< 2%
Measurement capability*	From 04h30 to 99 days
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 dimensions (without sensor)	120 x 58 x 34 mm
Weight (housing + sensor + battery)	185 g
Mini-USB plug	For USB power supply adapter and data transfer
Power supply	3 batteries 1.5 V type LR3-AAA
Autonomy	72 hours minimum, continuous operation
European directives	2004/108/EC EMC ; 2006/95/EC Low tension ; 2011/65/EU RoHS II ; 2012/19/EU WEEE

* According to the mode (uniformity, temporal or cartography)

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



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