

# LX 200

## Luxmeter



**• 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**

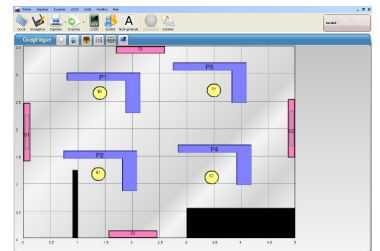
Operating software for data processing and printing of reports.



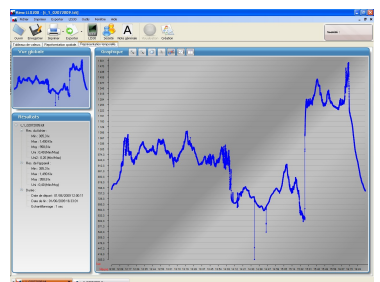
**LX200** hand-held luxmeter, self-contained and automatic is specially designed to illuminance measurement. It allows storage of datasets for processing on a computer via the **LLX200** software.



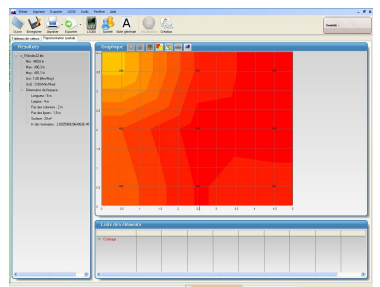
Determination of the illuminance uniformity of a local with graphic representation of workstations and luminaries



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 0.1 to 200 000 Lux

Display	Unit	Resolution	Accuracy
0.1 à 10.0	lx	0.1	0.1 lux
10.0 à 99.9	lx	0.1	1%
100.0 à 999.9	lx	0.1	1%
1000 à 9999	lx	1	1%
10.00 à 99.99	klx	10	1%
100.0 à 200.0	klx	100	1%

- ♦ from 0 to 18585 fc

Display	Unit	Resolution	Accuracy
0.00 à 1.00	fc	0.01	0.01 fc
1.00 à 99.99	fc	0.01	1%
100.0 à 999.9	fc	0.1	1%
1000 à 9999	fc	1	1%
10.00 à 18.58	kfc	10	1%

## ■ 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

<b>Measuring range</b> .....	from 0.1 to 200 000 Lux from 0.01 to 18585 fc
<b>Spectral response</b> .....	as per standard photopic curve V(λ) NF C 42 -710 Class B
<b>Error limit V(λ) (f1)</b> .....	< 6%
<b>True cosine evaluation (f2)</b> .....	< 6%
<b>Linearity (f3)</b> .....	< 5%
<b>Measurement capability*</b> .....	from 04h30 to 99 days
<b>Display</b> .....	backlit LCD graphic 128x64.
<b>Working temperature</b> .....	from 0°C to +50°C
<b>Storage temperature</b> .....	from 0°C to +50°C
<b>Housing dimensions (without sensor)</b> .....	120 x 58 x 34 mm
<b>Weight (housing+sensor+battery)</b> .....	185 gr
<b>Mini-USB plug</b> .....	for USB power supply adapter and data transfer
<b>Power supply</b> .....	3 batteries 1.5V type LR3-AAA
<b>Autonomy</b> .....	72 hours minimum, continuous operation
<b>Electromagnetic compatibility</b> .....	according to 89/336/CEE
<b>Conformity</b> .....	as per RoHS

\*according to the mode (uniformity, temporal or cartography)



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