

Technical Data Sheet

Pressure • Temperature • Humidity • Air Velocity • Airflow • Sound level

LX 200

Luxmeter

CE

• 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.

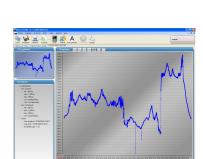




Determination of the illuminance uniformity of a local with graphic representation of workstations and luminaries



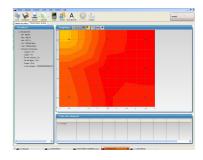
Following temporal evolution of illuminance of a workstation or a journey



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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

Technical features

Measuring range	from 0.1 to 200 000 Lux from 0.01 to 18585 fc
Spectral response	as per standard photopic curve V(λ) NF C 42 -710 Class B
Error limit V(λ) (f1)	< 6%
True cosine evaluation (f2)	< 6%
Linearity (f3)	< 5%
Measurement capability*	from 04h30 to 99 days
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)	100 v 50 v 24 mm
•	120 x 30 x 34 11111
Weight (housing+sensor+battery)	185 gr
Mini-USB plug	for USB power supply adapter and data transfer
Power supply	3 batteries 1.5V type LR3-AAA
Autonomy	72 hours minimum, contunuous
-	operation
Electromagnetic compatibility	according to 89/336/CEE
Conformity	as per RoHS

^{*}according to the mode (uniformity, temporal or cartography)

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.



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