KIMO INSTRUMENTS

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.

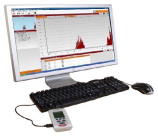
- **Evolution of illuminance according to weather conditions**
Storage of temporal evolution of illuminance for the follow up of environment conditions.

- **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*.

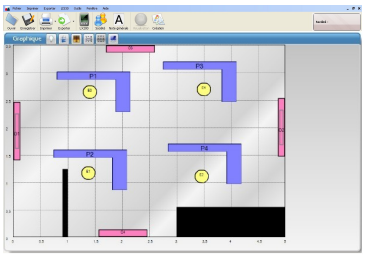
- ***As per following standards :**
NF EN 12464-1 – Lighting of workplaces (inside)
NF EN 12464-2 – Lighting of workplaces (outside)
NF EN 12193 – Lighting of sports facilities

- **Supplied with LLX200 software**
Operating software for data processing and printing of reports.

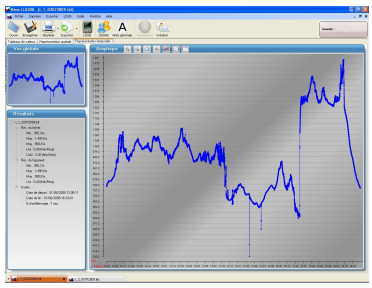


LX200 hand-held luxmeter, self-contained and automatic is specially designed to illuminance measurement. It allows storage of datasets for processing on a computer via the **LLX200** software.

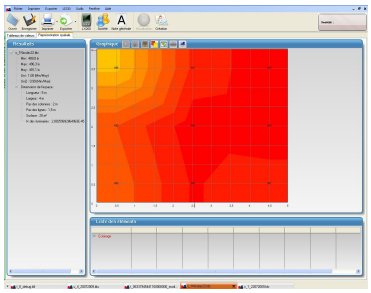
Determination of the illuminance uniformity of a local with graphic representation of workstations and luminaries



Following temporal evolution of illuminance of a workstation or a journey



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).....120 x 58 x 34 mm

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.

FTang – LX200 – 10-11-10 – RCS (24) Périgueux 349 282 095 Non-contractual document – We reserve the right to modify the characteristics of our products without prior notice.

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