

Technical Data Sheet

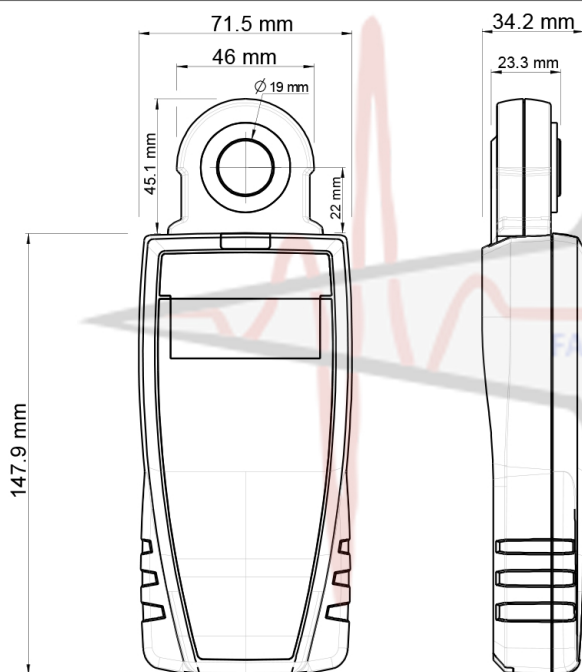
Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level

**Luxmeter
LX 50**

KEY POINTS

- Easy to use
- HOLD function
- Built-in probe
- Auto shut-off : 20 minutes

FEATURES OF THE HOUSING



Material : ABS
Protection : IP54
Display : 1 line
 LCD 1 x 5 digits
 Size : 50 x 20 mm
Height of digits :
 Values : 9.2 mm
 Units : 4.7 mm
Weight : 200 g (with batteries)



TECHNICAL FEATURES

Parameter	Light
Measuring units	lux, klux, fc
Measuring range	From 0 to 10000 lux / From 0 to 10 klux From 0 to 929 fc
Accuracy*	±3% of reading ±3 lux
Resolution	From 0 to 999.9 lux : 0.1 lux / from 1000 to 10000 lux : 1 lux From 0 to 0.9999 klux : 0.0001 klux / from 1 to 10 klux : 0.001 klux From 0 to 99.99 fc : 0.01 fc / from 100 to 929 fc : 0.1 fc
Measuring element	Silicon Photodiode
Spectral range	In accordance with the standard photopic curve V (λ) NF C 42-710 class C
Estimation of uncertainty on V(λ) (f1)	<10%
Directional sensitivity (f2)	<6%
Linearity	<3%
Operating temperature	From 0 to +50 °C
Storage temperature	From -10 to +70 °C
Power supply	4 batteries AAA LR03 1.5 V
Battery life	20 hours
Conformity	Directives CEM 2004/108/CE and NF EN 61010-1

* 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

Instruments are supplied with an adjustment certificate and a soft case.



ACCESSORIES

- Adjustment certificate
- Soft case
- Magnetic protective housing



MAINTENANCE

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements. As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

GUARANTEE

Instruments have 1-year guarantee for any manufacturing defect (return to our After-Sales Service required for appraisal).

USE OF THE INSTRUMENT

Take a measurement

- Switch on the instrument by pressing on « **On/Off/Hold** ».
- *The instrument displays its name « LX50 », then the measured value.*
- Press briefly on « **Select** » to move from the light measurement to the temperature measurement.

Hold the measurement

During measurement:

- Press briefly on « **On/Off/Hold** » to hold measurement.
- « **Hold** » appears on the screen and temperature and light measurements are fixed.
- Press briefly on « **Select** » to move from one parameter to the other.
- Press again briefly on « **On/Off/Hold** » to exit the Hold function.

Change the light unit

- Press briefly on « **Select** » up to display the light.
- Pressing longer on « **Select** » to change the light unit.
- Press briefly on « **Select** » to select the unit: lux, klx, fc.
- Pressing longer on « **Select** » to return to the normal measuring mode.

How to change batteries

- Remove the front part at the back of the instrument.
- Replace used batteries by new batteries AAA LR03 1.5 V.
- Replace the front.



« Select » key

« On/Off/Hold » key

Auto shut-off : the instrument switches off if not used during 20 minutes.

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