

## LXP-10A / 10B

LP-10A  
measuring probe



LP-10B  
measuring probe



## LXP-2

LP-1  
measuring probe



## Reliable illuminance measurements with the LXP series light meters

### Main features

- measurements in class A (LXP-10A)
- high resolution up to 0.001 lx
- highly accurate measurements
- measurements of all types of light sources including:
  - LEDs lamps,
  - incandescent lamps,
  - fluorescent lamps,
  - electrodeless lamps,
  - high and low-pressure lamps
- no need to using correction factors
- photodiodes with filters make the spectral sensitivity characteristics well matched to the requirements of C.I.E.

### Product functions

- data-hold for freezing measuring values
- automatic zeroing
- peak-hold for freezing the peak signal of light pulse
- capable of selecting measuring mode in Lux or FC scale
- MAX and MIN results save
- relative mode
- easy to read large backlit display
- USB connection with PC
- wireless connection (LXP-10A and LXP-10B)
- built-in memory: 99 points (LXP-2) or 999 points (LXP-10A and LXP-10B)
- 16 000 values records data logger
- auto power off



### LXP-2

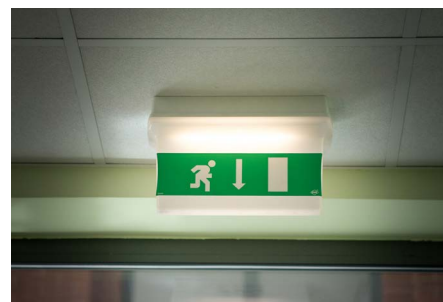
Model for people making basic lighting measurements of indoor and outdoor workplaces. The device works with LP-1 measuring probe (class B) which allows to proceed with measurements in a reliable way. The non-integrated probe eliminates the influence of the user to the measurement result.



Measurement of workplaces

### LXP-10B

Model with resolution 0.01 lx allows to accurate lighting measurements in workplaces and emergency lighting in escape routes. It works with LP-10B measuring probe. The device has internal memory of 999 measurements and additional logger for recording data with a selectable sampling rate.



Measurement of emergency and evacuation lighting

### LXP-10A

Device of the highest class A thanks to cooperation with LP-10A measuring probe. Therefore it allows to make the most accurate measurements in industrial zones and public facilities. In addition, the instrument has the ability to wirelessly send data to Sonel Reader PC software.



Measurement of LED lighting

## Illumination measurement depending on used probe

The result may be displayed in lx or fc. Displaying fc results with reduced resolution due to the display limitations.

|   |           | Most accurate measurements | For emergency lighting | Basic workplaces measurement |
|---|-----------|----------------------------|------------------------|------------------------------|
|   |           | <b>LXP-10A</b>             | <b>LXP-10B</b>         | <b>LXP-2</b>                 |
| <b>probe</b>                                  |           | LP-10A                     | LP-10B                 | LP-1                         |
| <b>class</b>                                  |           | A                          | B                      | B                            |
| <b>measurement range</b>                      | <b>lx</b> | 0.000...399.9k             | 0.00...399.9k          | 0.0...19.99k                 |
|   | <b>fc</b> | 0.000...39.99k             | 0.000...39.99k         | 0.0...1999                   |
| <b>resolution</b>                             | <b>lx</b> | 0.001                      | 0.01                   | 0.1                          |
|   | <b>fc</b> | 0.001                      | 0.001                  | 0.01                         |
| <b>spectral uncertainty <math>f_1'</math></b> |           | ±2%                        | ±6%                    | ±6%                          |
| <b>cosine matching error <math>f_2</math></b> |           | ±1.6%                      | ±3%                    | ±3%                          |
| <b>accuracy</b>                               |           | ±(2% m.v. + 5 digits)      | ±(5% m.v. + 5 digits)  | ±(5% m.v. + 5 digits)        |
| <b>number of ranges</b>                       |           | 6                          | 5                      | 3                            |
| <b>memory</b>                                 |           | 999 points                 |                        | 99 points                    |
| <b>logger memory</b>                          |           | 16 000 points              |                        |                              |

## Technical specification

|                               |  |
|-------------------------------|--|
| display                       | 3¼ digits, LCD with 40-segment bar indicator         |
| exceeding of range            | "OL" symbol  |
| spectral sensitivity          | CIE photopic curve (CIE human eye sensitivity curve) |
| power supply                  | 9 V battery or 8.4 V rechargeable battery            |
| photodetector                 | one silicon photodiode and spectral curve filter     |
| photodetector lead length     | approx. 150 cm (60")                                 |
| photodetector dimensions      | 15 × 60 × 20 mm (4.5" × 2.4" × 0.8")                 |
| meter dimensions              | 170 × 80 × 40 mm (6.7" × 3.1" × 1.6")                |
| weight                        | 390 g (0.86 lbs)                                     |
| communication interface       | USB and wireless                                     |
| operational temperature       | 0...50°C (32...122°F)                                |
| operational relative humidity | 0...80%  |
| storage temperature           | -20...+70°C (-4...+158°F)                            |

## Standard accessories



**LP-10A measuring probe (for LXP-10A)**  
WAADALP10A



**LP-10B measuring probe (for LXP-10B)**  
WAADALP10B



**LP-1 measuring probe (for LXP-2)**  
WAADALP1



**MINI-B 5 USB data transmission cable**  
WAPRZUSBMNIB5



**Sonel Reader PC software**  
WAPROREADER



**Calibration certificate**

## Optional accessories



**Portable USB license for Sonel software**  
WAADAKEY1



**OR-1 USB wireless receiver**  
WAADAUSBOR1



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Environmental Test Equipment](#) category:*

*Click to view products by [Sonel](#) manufacturer:*

Other Similar products are found below :

[CW40](#) [F150C10E3DRT](#) [F150LTC20](#) [F150CD10E2](#) [F150L75](#) [F150LRS](#) [2837806](#) [4328074](#) [4366444](#) [S-11](#) [382153](#) [700PTP-1](#) [GEO-](#)  
[CABLE-REEL-50M](#) [H115](#) [H300](#) [F150-SLC50](#) [TM-192](#) [TM-192D](#) [TM-305U](#) [TM-414](#) [EL-P-TC-T-SURFACE](#) [UT301C+](#) [HS115](#) [12227021](#)  
[13123602](#) [13123661](#) [12255930](#) [12983030](#) [30171091](#) [30198712](#) [30198755](#) [30209323](#) [12228657](#) [12229067](#) [12230090](#) [7358958](#) [12231398](#)  
[12231487](#) [7390674](#) [7390682](#) [12231550](#) [7391840](#) [7391939](#) [7391955](#) [7391972](#) [7391998](#) [7392056](#) [7392099](#) [7395489](#) [7400058](#)