

DIGITAL LUX METER

AL-162

This Digital Lux Meter is small in size, light in weight, easy to carry, it is convenient to use and operate. Its ruggedness will allow many years of use if proper operating techniques are followed. Please read the following instructions carefully and always keep this manual within easy reach.

Carry Case
 Operation Manual
 Optional Accessories:
 USB/RS-232 Cable with Software
 Bluetooth adapter with Software
 Model: You can choose a splitter

2.2 Technical Parameters

| Range | Resolution | Accuracy |
|-----------------|------------|-----------------|
| 0.1~500.00Lux | 1Lux | $\pm (8\%n+5d)$ |
| 500.00~5000Lux | 10Lux | $\pm (8\%n+5d)$ |
| 5000~200,000Lux | 100Lux | $\pm (8\%n+4d)$ |
| 0~20,000FC | 1FC | $\pm (8\%n+4d)$ |

1. Product Description

The Lux Meter is a specialised instrumentation measuring luminosity, brightness. widely used in electro-optical sources, research teaching, metallurgy building, industry inspection as well as agriculture researching and illumination control.

- * Digital display gives exact reading with no guessing or errors.
- * Multi-parameter measurement: Lux & FC. Wide measuring range and high resolution.
- * In build low battery indicator. Max value hold function.
- * The use of durable, long lasting components, including a strong, light weight ABS - plastic housing assures maintenance free performance for many years. The housing has been carefully shaped to fit comfortably in either hand.
- * USB/RS-232 data output with connection PC. Bluetooth data output.

2. Parameters

2.1 General Parameters

Display: LCD

Measuring Unit: Lux

FC(Foot Candle)

Operating Condition: Temp. 0~50°C (32~122°F)

Humidity <80%RH

Power Supply: 4X1.5v AAA (UM-4 Battery)

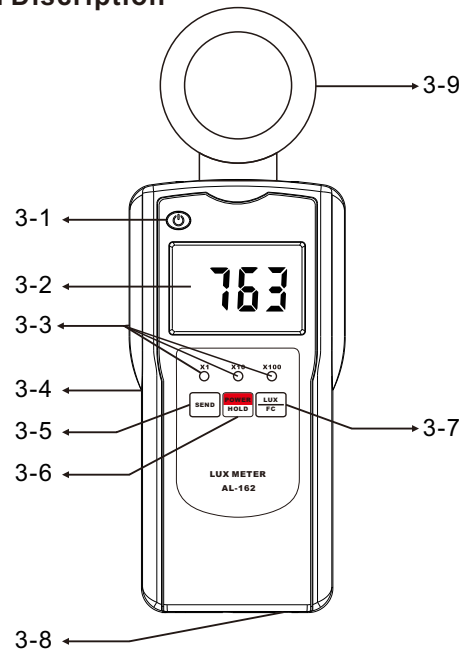
Size: 196 x 70 x 31mm

Weight(Including Batteries): 200g

Standard Accessories:

Main Unit

3. Panel Discription



- 3-1 Power Key
- 3-2 Display
- 3-3 Range Indicator
- 3-4 Battery Cover on the Back
- 3-5 Send Key
- 3-6 Power/Hold Key
- 3-7 Unit Conversion Key
- 3-8 Data Cable Interface
- 3-9 Sensor

4. Measuring Procedure

- 4.1 Press the Power Key or the Power/Hold Key to power on the tester.
- 4.2 Press the Unit Conversion Key to select the appropriate light unit Lux or FC.
- 4.3 Align the sensor vertically to the light when measuring. Read when the displayed value is stable. To make sure the measurement is accurate, keep the light vertical to the sensor. When reading, pay attention to the Range indicator. The true value is the reading times the indicated gear.
- 4.4 To active Max. Value hold mode, just press the Power/Hold Key. To quit the mode, just press the Power/Hold Key again.

5. Connection with A Computer

- 5.1 Install the RS232 software on your PC, please always click "the continue" button in the installing process.
- 5.2 Connect your gauge to your PC using the optional cable or Bluetooth adapter.
- 5.3 Switch on your gauge and ensure the Reading Screen is displayed.
- 5.4 Start the software and follow the instructions included with the software Demo.EXE. Press the Send Key to transmit the data to PC.

6. Battery Replacement

- 6.1 When it is necessary to replace the battery, i.e. battery voltage less than approx. 4.8 V, the

- 6.2 Slide the Battery Cover away from the instrument and remove the batteries.
- 6.3 Install the batteries (4x1.5vAAA UM-4) correctly into the case.
- 6.4 If the instrument is not to be used for any extended period, remove batteries.

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| ADEQUATE LIGHT LEVELS FOR WORK AREA | | | | | | | | | | | | | | | | |
|-------------------------------------|-------|----------------|---|---|----------------------------------|-------------|---|----------------|--------------|---------------------------------------|-----|-----------------------|----|----|---|----|
| LUXE LOCATION | 10000 | 5000 | 3000 | 2000 | 1500 | 1000 | 750 | 500 | 300 | 200 | 150 | 100 | 75 | 50 | 30 | 20 |
| FACTORY | | | ELECTRONIC PARTS ASSEMBLY LINE DRAFTING | TYPE SETTING AT PRINTING SHOP INSPECTION WORK | | | VISUAL WORK AT PRODUCTION LINE | | PACKING WORK | | | EXIT ENTRANCE PASSAGE | | | INDOOR EMERGENCY STAIRS WAREHOUSE LOADING OR UNLOADING WORK | |
| OFFICE | | | TYPING DRAFTING | CLERICAL WORK | | | CONFERENCE ROOM DINNING ROOM RECEPTION ROOM | | | CORRIDOR STAIRS | | ENTRANCE WAREHOUSE | | | INDOOR EMERGENCY STAIRS | |
| HOME | | | | SEWING | READING STUDY | | MAKE UP | DINNING TABLE | | RECREATIONAL ACTIVITIES | | WASHING | | | | |
| STORE | | | FOREFRONT OF SHOW WINDOW | SHOW WINDOW PACKING TABLE | | EL EV AT OR | DISP-LAY STAND | RECEPTION ROOM | | CORRIDOR STAIRS | | INDOORS | | | | |
| HOSPITAL | | EYE INSPECTION | | | OPERATING ROOM EMERGENCY | | MEDICAL EXAMINATION ROOM DINNING ROOM | | WAITING ROOM | SICK ROOM WAREHOUSE | | STAIRS | | | EMERGENCY STAIRS | |
| SCHOOL | | | | | DRAFTING ROOM LIBRARY | | CLASS ROOM | | | INDOOR GYMNASIUM WASH ROOM AUDITORIUM | | | | | EMERGENCY STAIRS | |
| RESTAURANT | | | | | SHOW ROOM | | COOKING ROOM DINNING | | | ENTRANCE WASH ROOM | | CORRIDOR STAIRS | | | | |
| BABER BEAUTY PARLOR | | | | | HAIR DYEING WAKEUP HAIR DRESSING | | SHAVING HAIR WASHING DRESSING | | | | | | | | | |

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