DIGITAL LUX METER

☐ AL-161

☐ AL-161L

☐ AL-161R

This Digital Lux Meter is small in size, light in weight, easy to carry. Although complex and advanced, 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.

1

1. FEATURES
* Wide measuring range and high resolution.
* Digital display gives exact reading with no guessing or errors.
* In build LOW BATTERY indicator.
* Auto zero adjustment.
* 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 .

2. GENERAL SPECIFICATIONS
Display: LCD
Parameters measured: AL (LUX)
FC (FOOT CANDLE)
Power supply 4x1.5 AAA battery
Operating condition: Temp. 0~50°C
Humidity <80%
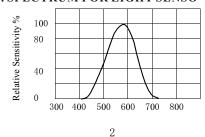Size: Main Unit: 140x70x31 mm
　　　Sensor: 96x58x16 mm

Weight: about 200g including batteries

Model：all-in-one machine

3. ELECTRICAL SPECIFICATIONS

Resolution	AL-161 Range	AL-161L AL-161R Range	Accuracy
X1	0. 1~500.00Lux	0. 01~50.00Lux	± (4%n+5d)
X10	500. 00~5000Lux	50. 00~500.0Lux	± (4%n+5d)
X100	5000~200, 000Lux	500.0~200, 000Lux	± (4%n+4d)
1FC	0~20, 000FC	0~20, 000FC	± (4%n+4d)

4. SPECTRUM FOR LIGHT SENSO

2

5. FRONT PANEL DESC

Note: This probe is an R-shaped probe

3-1 Power Key　　　3-6 Power/Hold Key
3-2 Display　　　　3-7 Unit Conversion Key
3-3 Range Indicator　3-8 RS-232 Interface
3-4 Battery Cover　　3-9 Sensor
3-5 Send Key

3

4. MEASURING CONSIDERATIONS
4.1 Press the Power Key or the Power/Hold Key to turn on the meter.
4.2 Press the Unit Conversion Key to select the proper unit.
4.3 Hold the sensor at the tested position, 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 When measuring, press the Power/Hold Key, 'MAX' indicator comes out, the maximum value will be held on the display.

5. CONNECT WITH THE COMPUTER
5.1 Using optional 'RS232C Cable' or 'Bluetooth Adapter', data transmission to PC can be realized.
5.2 Press the Send Key to transmit the data to

4

PC.

6. REPLACEMENT OF BATTERY
6.1 It is necessary to replace batteries when the symbol shows up on the display.
6.2 Slide the battery cover away from the unit and remove the batteries.
6.3 Install the batteries (4x1.5v AAA) correctly into the case.
6.4 If the instrument is not to be used for any extended period ,remove batteries.

5

9. ADEQUATE LIGHT FOR WORK AREA

LUXE \ LOCATION	10000	5000	3000	2000	1500	1000	750	500	300	200	150	100	75	50	30	20
ADEQUATE LIGHT LEVELS FOR WORK AREA																
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 DRAFT - ING		CLERICAL WORK		CONFERENCE ROOM DINNING ROOM RECEPTION ROOM			CORRIDOR STAIRS		ENTR - ANCE WARE - HOUSE		INDOOR EMERGENCY STAIRS		
HOME				SEWING		READING STUDY		MAKE UP	DINNING TABLE	RECREATION AL ACTIV ITIES	WAS - HING					
STORE			FOREFRONT OF SHOW WINDOW		SHOW WINDOW PACKING TABLE	EL EV AT OR	DISP - LA Y STAN D	RECEP TION ROOM	CORR IDOR STAIR S		INDOORS					
HOSPITAL	EYE INSPE - CTION			OPERATING ROOM EMERGENCY		MEDICAL EXAMINATION ROOM DINNING ROOM		WAIT ING ROO M	SICK ROOM WARE HOU - SE	STAIRS		EMERGENCY STAIRS				
SCHOOL				DRAFTING ROOM LIBRARY		CLASS ROOM		INDOOR GYMNAYM WASH ROOM AUDITORIUM			EMERGENCY STAIRS					
RESTAURAN T				SHOW ROOM		COOKING ROOM DINNING		ENTRANCE WASH ROOM		CORRIDOR STAIRS						
BABER BEAUTY PARLOR				HAIR DYEING WAKEUP HAIR DRESSING		SHAVING HAIR WASHING DRESSING										