



Model:AS823

Digital Lux Meter

Instruction Manual



1. Features:

Wide range measurement
Accurate measuring
Data hold
Max / Min measurement
Relative function
Lux / Fc selectable (1Fc=10.76 Lux)
3 measuring ranges

2. Operations

(1) Install 9V battery correctly, remove protective sensor cover and press ON/OFF button for measurement.
(2) Lux / Fc selection: Press Lux / Fc button to change measuring unit.

(3) Measuring range selection: Press Range button to select the desired measuring range:

1st range: 0 - 2000Lux (Reading X1);

2nd range: 2000 - 20000Lux (Reading X10);

3rd range: 20000 - 100000Lux (Reading X100);

If the measurement is out of range, an OL indication will appear.

(4) Max / Min function: Press MAX MIN button, LCD display MAX HOLD indication and maximum reading, press MAX MIN button again to for minimum reading, LCD display MAX HOLD and lock the reading, press again will back to normal measurement mode.

(5) Data hold: Displays can be held at any time by pressing the HOLD button while in normal mode.

(6) Relative function: Press REL button to enter relative comparison function, main display is the current reading, average measuring reading is underneath.

(7) When the battery icon is shown (low battery indication) please replace the battery to prevent imprecision measurement.

(8) Power off: The unit will automatic turn off in 5 mins, press ON/OFF button to turn off the unit directly.

3. Specification

Measuring range: 1 to 100,000Lux

Sampling rate: 1.5 times/sec

Measurement repeatability: $\pm 2\%$

Accuracy: $< 3\% \text{rgd} \pm 0.5\% \text{f.s}$

$\pm (4\% \text{rgd} \pm 10 \text{dgt})$ if $< 10000 \text{Lux}$

(calibrated to a standard incandescent lampe at color temperature 2856K)

Power supply: 9V battery

Operation conditions: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$;

$\leq 80\% \text{RH}$ non-condensing

Storage conditions: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$;

$\leq 70\% \text{RH}$ non-condensing



4. Diagram description

(1) LCD

(2) ON / OFF button

(3) Relative function button

(4) Data hold button

(5) Lux / Fc switch button

(6) Max / Min function button

(7) Range switch button

(8) Connection leadwire

(9) Sensor protective cover

