

# LIGHT METER

With K,J Thermometer

Model : YK-2001LX



## 1. FEATURES

- \* Professional Light Meter and Type K/J thermometer, 2 in 1.  
Lux range: 2,000/20,000/50,000 Lux  
Feet-candle range: 200/2,000/5,000 Fc  
Type K range: -100.0 to 1300.0  
Type J range: -100.0 to 1150.0
- \* Sensor uses the exclusive photo diode & color correction filter, spectrum meet C.I.E. photopic.
- \* Sensor cosine correction factor meet standard.
- \* Separate Light Sensor allows user's measurement at an optimum position.
- \* Microprocessor circuit assures high accuracy and reliable performance.
- \* 0.1 degree resolution for type K and type J thermometer.
- \* Record maximum and minimum reading.
- \* Instrument with high input impedance avoids measuring error.
- \* Data Hold,
- \* 蛭 or 蚌 can be converted by push button on the front panel.
- \* Auto power off saves battery life. \* Large LCD, dual function display. \* Powered by 006P DC 9V battery. \* RS 232 computer serial interface. \* Using the durable, long-lasting components and a strong lightweight ABS-plastic housing case.
- \* The instrument is patented with it's intelligent design concept.

## 2. SPECIFICATIONS 2-

### 1 General Specifications

Circuit	Exclusive microcomputer circuit, the software built-in linearity cooperation instead of the the traditional hardware circuit.	
Display	LCD display, size : 51 mm x 31 mm. Dual function meter's display.	
Measurement	Lux	2,000/20,000/50,000 Lux
	Feet-candle	200/2,000/5,000 Fc
	Type K	-100.0 to 1300.0 C
	Type J	-100.0 to 1150.0 C -
Sensor	<i>Light sensor :</i> * The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E. * Sensor cosine correction factor meet standard.	
	<i>Type J/K thermometer sensor :</i> Thermocouple probe ( optional ).	
Power off	Auto power off if no buttons are pressed within 10 minutes saves battery life or manual power off by push button.	
Data Output	RS232 PC serial interface.	

Over load indication	" ----" on the display.
Sampling time	Approx. 0.8 second.
Data hold	Hold the current reading value on the display.
Memory Recall	Maximum and Minimum reading values can be saved and retrieved by record function.
Operating Temperature	0 to 50 C
Operating Humidity	Max. 80% RH.
Power Supply	* 006P DC 9V, MN1604 (PPS) battery or equivalent. * Alkaline or heavy duty type.
Power Current	Approx. DC 7 mA.
Weight	250 g/0.55 LB ( battery included ).
Size ( meter )	195 x 68 x 30 mm ( 7.6 x 2.6 x 1.2 inch ).
Standard Accessories	Instruction manual ..... 1 PC. Light Meter probe .....1 PC.
Optional Accessories and Probes	Carrying Case: CA-06 <ul style="list-style-type: none"> <li>• RS232 Cable: UPCB-02</li> <li>• * Software: SW-U801-WIN</li> </ul>

## 2-2 Electrical Specifications (23 5 10')

### LIGHT METER

Sensor Type	Resolution	Range	Accuracy
Lux	1	2,000 Lux	( 5 % + 2d )
	10	20,000 Lux	( 5 % + 2d )
	100	50,000 Lux	( 5 % + 2d )
Feet-Candle (Fc)	0.1	200 Feet-candle	( 5 % + 2d )
	1	2,000 Feet-candle	( 5 % + 2d )
	10	5,000 Feet-candle	( 5 % + 2d )

### THERMOMETER ( TYPE K/TYPE J )

Sensor Type	Resolution	Range	Accuracy
Type K	0.1 10'	-50.0 to 1300.0 10'	( 0.2 % + 0.5 10' )
		-50.1 to -100.0 10'	( 0.2 % + 1 10' )
	0.1 lig	-58.0 to 2372.0 lig	( 0.2 % + 1 lig )
		-58.1 to -148.0 lig	( 0.2 % + 1.8 lig )
Type J	0.1 10'	-5.0 to 1150.0 10'	( 0.2 % + 0.5 10' )
		-50.1 to -100.0 10'	( 0.2 % + 1 10' )
	0.1 lig	-58.0 to 2102.0 lig	( 0.2 % + 1 lig )
		-58.1 to -148.0 lig	( 0.2 % + 1.8 lig )