

FEATURES

- RS-232 serial interface
- Display Hold Function
- Push Button 4 Light Type Select
- Relative % light measurement
- Data Memory And Read Function

RS PRO Light Meter

RS Stock No.: 123-8776



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From the trusted RS PRO brand, this digital light meter is a high-quality solution for light measuring applications in all manner of environments. The excellent quality light sensor attaches to the digital reader by a long wire allowing you to be flexible in where you take your readings from. The digital reader has a variety of useful functions, and features a dual LCD display screen meaning that measurements can be taken quickly and easily.

General Specifications

Model Number	LX-105
Sensor Type	Photodiode
Display Type	Dual LCD with contrast adjustment
Display Digit Height	13mm
Features	RS-232 serial interface
Interface	USB
Applications	Measuring Daylight or Tungsten, fluorescent, Mercury lamp light

Light Measurement

Measuring Range	0Lux to 50000Lux / 0Ftc to 5000Ftc
Minimum Light Level	0Lux
Maximum Light Level	50000Lux
Accuracy	$\pm(4\% + 2d)$
Resolution	0.1Ftc
Measurement Rate	0.4 times per second

Electrical Specifications

Power Source	Battery
Battery Included	Yes
Battery Type	JIS 006P

Mechanical Specifications

Dimensions	180mm x 72mm x 32mm
Width	32mm
Depth	72mm
Height	180mm
Weight	335g

Operation Environment Specifications

Relative Humidity	< 80% RH
Operating Temperature Range	0 to 50 °C

Approvals

Compliance/Certifications	EN 61340-5-1:2007
Declarations	RoHS Certificate of Compliance





GENERAL SPECIFICATIONS				
Circuit	Custom one-chip of micro-processor LSI circuit.	Power off	Auto shut off saves battery life, or manual off by push button.	
Display	* 13 mm(0.5") Super large LCD display with contrast adjustment for best viewing angle. * Dual function meter's display.	Data Output	RS 232 PC serial interface.	
		Over input indication	Indication of "- - -".	
		Operating Temp.	0 to 50 °C (32 o 122 °F).	
Measurement & ranges	Lux : 0 - 50,000 Lux, 3 ranges.	Operating Humidity	Less than 80% RH.	
	Foot-candle(Fc) : 0 -5,000 Fc, 3 ranges.	Power Supply	006P DC 9V battery (Heavy Duty Type).	
	Relativity : 0 - max. 100 % to 1999 %. (depend measuring range & measuring value)	Power Current	Approx. DC 5.3 mA.	
	Lighting Type Selection	Daylight or Tungsten, Fluorescent, Mercury lamp.	Weight	335 g/0.77 LB
			Dimension	Main instrument: 180 x 72 x 32 mm (7.1 x 2.8 x1.3 inch). Sensor probe: 85x55x12 mm(3.2x2.2x0.5 inch)
Sensor	The exclusive photo diode & color correction filter, spectrum designed to meet C. I. E. Sensor cosine correction factor meet standard.	Accessories included	Instruction manual..... 1 PC. Sensor probe..... 1 PC. Sensor cover.....1 PC.	
Memory Recall	Records Maximum, Minimum and Average readings with RECALL.	Optional Accessories	* Hard carrying case, CA-06 * Soft carrying case, CA-05A * RS232 cable, UPCB-01 * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN	
Zero Adj.	By push button.			
Sampling Time	Approx. 0.4 sec.			