Product Datasheet

Stock No: 2003701

Light meter with USB

EN

CE

FEATURES

- *Light-measuring levels ranging form 0.1Lux~0.1kLux/0.01FC~0.01kFC,repeatedly.*
- *High accuracy and rapid response.*
- *Data-hold function for holding measuring values.*
- *Unit and sign display for easy reading.*
- *Automatic zeroing.*
- *Meter corrected for spectral relative efficiency.*
- *Correction factor need not be manually calculated for non-standard light sources.*
- *Short rise and fall times.*
- *Peak-hold function for tracing the peak signal of light pulse with least duration 10μs and keep it.*
- *Capable of selecting measuring mode in Lux or FC scale alternatively.*
- *Auto power off 15minutes or disable AUTO power off.*
- *Maximum and minimum measurements.*
- *Relative reading .*
- *Easy to read large backlit display*
- *USB output connect with pc*
- *4 Level ranging*
- *99 values in memory ,that could be read on the meter.*
- *More than 16000 values records datalogger.*

SPECIFICATIONS

- *Display :3-3/4 digit LCD with high speed 40 segment bar graph.*
- *Measuring Range: x,400.0 Lux,4000 Lux,40.00 KLux and 400.0 KLux /40.00 FC,400.0 FC,4000 FC,40.00 KFC.*
- *NOTE: 1FC=10.76Lux,1KLux=1000Lux,1KFC=1000FC*
- *Over range Display: LCD will show "OL" symbol.*
- *Spectral Response: CIE Photopic. (CIE human eye response curve).*
- *Spectral Accuracy: CIE Vλ function $f_1'≤6$□*
- *Cosine Response: f_2 ≤2□*
- *Accuracy: ±3□ rdg±0.5 f.s.(<10,000Lux), ±4% rdg±10d.(>10,000Lux)*
- *Repeatability ±3□*
- *Sampling Rate: 1.3 times/sec of analog bar-graph indication;1.3times/sec of digital display.*
- *Datalogger sampling could be setup.*
- *Photo Detector: One silicon photo diode and spectral response filter.*

- *Operating temperature & Humidity :*
  0°C to 40°C (32°F to 104°F) & 0~80% RH.
- *Storage Temperature & Humidity :*
  -10°C to 50°C (14°F to 140°F) & 0~70% RH.
- *Power Source: 1 piece 9V battery.*
- *Photo detector Lead Length: 150cm (approx.);*
- *Photo detector Dimensions: 115L×60W×20H(mm);*
- *Meter Dimensions: 170L×80W×40H;*
- *Weight: 390g.*
- *Accessories: Carry case, instruction manual, battery.*

RECOMMENDED ILLUMINATION
1FC=10.76Lux

LOCATIONS		Lux	FC
OFFICE	*Conference, Reception room*	*200~750*	*18~70*
	Clerical work	*700~1,500*	*65~140*
	Typing drafting	*1,000~2,000*	*93~186*
FACTORY	*Visual work at production line*	*300~750*	*28~70*
	Inspection work	*750~1,500*	*70~140*
	Electronic parts assembly line	*1,500~3,000*	*140~279*
	Packing work, Entrance passage	*150~300*	*14~28*
HOTEL	*Public room, Cloakroom*	*100~200*	*9~18*
	Reception	*200~500*	*18~47*
	Cashier	*750~1,000*	*70~93*
STORE	*Indoors Stairs Corridor*	*150~200*	*14~18*
	Show window, Packing table	*750~1,500*	*70~140*
	Forefront of show window	*1,500~3,000*	*140~279*
HOSPITAL	*Sickroom, Warehouse*	*100~200*	*9~18*
	Medical Examination Room	*300~750*	*28~70*
	Operating room, emergency treatment	*750~1,500*	*70~140*
SCHOOL	*Auditorium, Indoor Gymnasium*	*100~300*	*9~28*
	Class room	*200~750*	*18~70*
	Laboratory, Library, Drafting, room	*500~1,500*	*47~140*

Accessories:
9V battery, Photo Detector and USB cable, software, Carrying case and Gift box.