

LX-1330 LUXOMETER



FEATURES:

Light-measuring levers ranging from 0.1Lux to 200,000Lux, 0.01FC to 20,000FC 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 Luminous Efficiency function.
Correction factor need not be manually calculated for nonstandard light sources.
Short rise and fall times.

SPECIFICATIONS:

DISPLAY: 3-1/2 digit LCD.

Measuring Range: 200, 2,000, 20,000 and 200,000Lux

(20,000Lux range reading \times 10,
200,000Lux range reading \times 100)
20, 200, 2,000, 20,000FC
(20,000FC range reading \times 10)

Over range display: Highest digit of "1" is displayed.

Accuracy: $\pm(3\%rdg + 10dgt) \leq 20,000Lux/2,000FC$

$\pm(5\%rdg + 10dgt) > 20,000Lux/2,000FC$

(Calibrated to standard incandescent lamp at color temperature 2856K)

Repeatability: $\pm 2\%$

Temperature Characteristic: $\pm 0.1\%/^{\circ}C$

Measuring Rate: Approximately 2.0time/sec.

Photo detector: One silicon photo diode with filter.

Operating Temperature and Humidity: $0^{\circ}C$ to $40^{\circ}C$ ($32^{\circ}F$ to $104^{\circ}F$)
0 to 80% RH.

Storage Temperature and Humidity: $-10^{\circ}C$ to $60^{\circ}C$ ($14^{\circ}F$ to $140^{\circ}F$)
0 to 80% RH.

Power Source: One 9Volt Battery, NEDA 1604 or JLS 006P or IEC6F22.

Battery life (typical): 200hours (Alkaline Battery).

Photo Detector Lead Length: 150cm (approx).

Photo Detector Dimensions: 100mm(H) \times 60mm(w) \times 28mm(D).

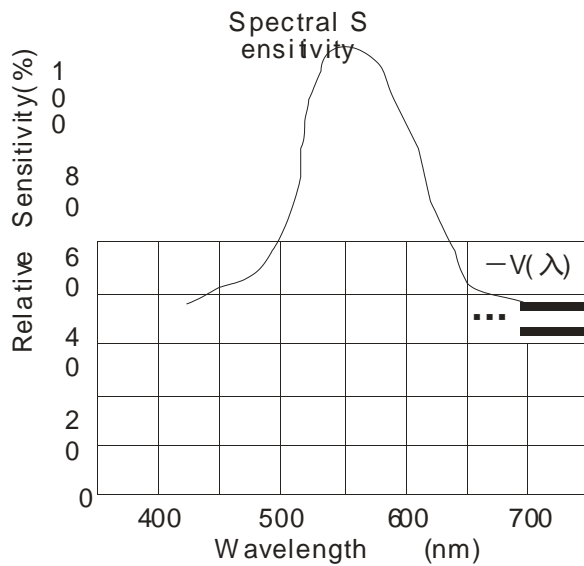
Dimensions: 149mm(H) \times 71mm(w) \times 41mm(D).

Weight: 250g (5.8oz).

Accessories: Carry case, instruction manual, battery.

SPECTRAL SENSITIVITY CHARACTERISTIC:

To the detector, the applied photo diode with filters makes the spectral sensitivity characteristic almost meet C.I.E. photopic curve V as the following chart described.



RECOMMENDED ILLUMINATION:

LOCATIONS Lux

OFFICE

Conference, Reception room	200~750
Clerical work	700~1500
Typing drafting	1000~2000

FACTORY

Packing work, Entrance Passage	150~300
Visual work at production line	300~750
Inspection work	750~1500
Electronic parts assembly line	1500~3000

HOTEL

Public room , Cloakroom	100~200
Reception , Cashier	220~1000

STORE

Indoors Stairs Corridor	150~200
Show window , Packing table	750~1500
Forefront of show window	1500~3000

HOSPITAL

Sickroom , Warehouse	100~200
Medical Examination room	300~750

Operating room	750~1500
Emergency Treatment	750~1500

SCHOOL

Auditorium , indoor Gymnasium	100~300
Class room	200~750
Laboratory Library Drafting room	500~1500