

Digital Lightmeter/Data Logger

Digital Lux Lightmeter



EMC-LVD

DLM-530

- For simple one hand operation
- Accurate visible compensation filter f'1 is used
- CIE (λ): f'1 <2%, <3%, <5%, <8%, v(λ) match
- Cosine response: f'2 < 2%
- Range: from 20 to 200,000 Lux
- Valox housing to withstand accidental drops
- Analog output function: 0.1mV/counts
- Highly accurate f'1 compensation and diffuser f'2 < 2%
- MAX/Data hold function
- Backlit LCD display

Photometric formulas	10,764: footcandles= 1 Lux (lumens/meter ²)
Ranges	20Lux, 200Lux, 2,000Lux, 20,000Lux, 200,000Lux.
Resolution	0.01Lux.
Spectral response	CIE photopic
Acceptance angle	f'2<2% cosine corrected (150°)
Total accuracy	for CIE standard illuminate A (2856K): (±3%rdg+10dgts)
Sampling rate	3 Times/per second
General	
Power requirement	4 Piece 1.5V(AAA size) batteries
Dimension	170x44x40mm (6.7"x1.7"x1.6")
Weight	7.7 oz(220g)
Accessories	Test leads, soft carrying case and owners manual.

Digital Lux/FC Lightmeter



EMC-LVD

DLM-531

- For simple one hand operation
- Accurate visible compensation filter f' is used.
- CIE (λ):f' <2%,<3%,<5%,<8%,v(λ)match
- Cosine response:f'<2%
- Range : 20Lux,200Lux, 2000Lux, 20,000Lux
20fc, 200fc, 2000fc, 20,000fc
- Analog output standard (output impedance 500Ω)
- Valox housing to withstand accidental drops
- Analog output function: 0.1mV/counts
- Highly accurate f' compensation and Diffuser f' <2%
- Peak data hold function
- Backlit LCD display
- High accuracy: ±3%rdg+10dgts
- 3 1/2 digit LCD display with a maximum reading of 1999
- Automatic zero

Photometric formulas	1 footcandles = 10.76 Lux (lumens/meter ²) 1 Lux (lumens/meter ²) = 0.0929 footcandles
Ranges	20Lux, 200Lux, 2,000Lux, 20,000Lux 20fc, 200fc, 2000fc, 20,000fc
Resolution	0.01lux. ; 0.01 fc
Spectral response	CIE photopic
Acceptance angle	f'2<2% cosine corrected (150°)
Total accuracy	for CIE standard illuminate A (2856K):(±3%rdg+10dgts)
Sampling rate	3 Times/per second
General	
Power requirement	4 Pieces 1.5V (AAA size) batteries
Dimension	170x44x40mm (6.7"x1.7"x1.6")
Weight	7.7 oz(220g)
Accessories	Soft carrying case and owners manual

Datalogging Light Meter (RS-232)



EMC-LVD

RS-232

DLM-536

- Spectrum of photo sensor meets C.I.E. photopic curve V(l)
- 16000 Records data logging capacity
- RS-232 interface (software included)
- Measurement of luminous intensity (PC software)



Photometric formulas	1 footcandles= 10.76 Lux (lumens/meter ²) 1 Lux (lumens/meter ²) = 0.0929 footcandles
Ranges	20/200/2000/20000 Lux , 20/200/2000/20000 Fc
Resolution	0.01lux. ; 0.01 fc
Record (data logging)	8000 Point data logger
Total accuracy	±(3%rdg + 5dgts) (calibrated to standard incandescent lamp, 2856K)
Sensor	Silicon photo diode, lead approx. 150cm,
Sensor probe	100x60x27mm (3.9"x2.36"x1.06")
Over range display	OL
General	
Power requirement/life	One 9V battery, 50hrs (approx)
Dimensions	146x70x39mm (5.7"x2.8"x1.5") approx.
Weight	10.50 oz(300g)
Accessories	Software, RS-232 cable, 9 pin to 25 pin gender changer, screwdriver