

Product data sheet

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HEAVY DUTY LIGHT METER WITH THERMOMETER & HUMIDITY METER



Product features:

- Light level measurement with temperature and humidity meter
- Large LCD with green, yellow and red light indication
- Supplied with calibration certificate in sturdy protective pouch
- User selectable Lux/Fc
- Max min / AVG / data hold functions
- Low battery indication
- Audible and visual alarms
- Auto power off

Product specifications:

Light meter specifications:

Measuring range:	Auto ranges: 0 to 400kLux / 0 to 40kFc Manual ranges: 0 to 400kLux, 400Lux to 4kLux 4kLux to 40kLux, 40kLux to 400kL
Accuracy:	+/- 3% of reading +/- 8 dgts (<10,000Lux) +/- 4% of reading +/- 10 dgts (>10,000Lux)
Resolution:	0 to 999.9Lux: 0.1 1000 to 9999Lux: 1.0 Above 10K Lux: 0.1
Sampling rate:	2 times/second
Spectral response:	CIE photopic (CIE human eye response curve)
Spectral accuracy:	CIE V_{λ} function ($f_1' \leq 6\%$)
Photo detector:	Silicon photo-diode with spectral response filter
Cosine response:	$f_2' \leq 2\%$
Visible alarm:	3-colour LED light alarm Green light: <500Lux, Yellow light: <1000Lux, Red light: <1000Lux Note: The alarm value can be set by user
Audible alarm:	Alarm sounds for 20 seconds, pauses for 1 minute then repeats cycle. (The audible alarm defaults to ON state and can be turned off by user)
Light overloading display:	Display "LO"





Measurement for life.



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Temperature specifications:

Range: -20 to 60°C (-4 to 140°F)
Accuracy: $\pm 1.0^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
Resolution: 0.1°C/F

Humidity specifications:

Range: 10 to 100%RH
Accuracy: $\pm 5\%$ RH between 35 and 75%RH, otherwise $\pm 7\%$ RH
Resolution: 1%RH

General instrument specifications:

Overloading display: Display "LO" under range and "HI" over range
Operating conditions: -20 to 60°C (-4 to 140°F) 10 to 90%RH (non-condensing)
Storage conditions: -30 to 60°C (-22 to 140°F) $\leq 80\%$ RH
Auto power off After approx. 15 minutes of inactivity
Battery: 3 x AA batteries or USB type-C cable
Battery life: Min. 30 hours
CE & RoHS/WEEE: Compliant
LCD dimensions: 55mm x 48mm
Product dimensions: Net: 225mm x 68mm x 30mm
Gross: 265mm x 85mm x 48mm
Product weights: Meter: 255.5g
Protective pouch: 45g
Box & instruction sheet: 57.5g
Gross: 358g

Description	Barcode	Product no
Heavy duty light meter	5 011405 134929	13/492/0