

# Product data sheet

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## HEAVY DUTY 5-IN-1 METER: WIND SPEED (AIR VELOCITY), LIGHT, SOUND, TEMPERATURE & HUMIDITY METER

### Product features:

- 5-in-1 meter for wind speed, light, sound level, temperature and humidity measurement
- Large LCD with green, yellow and red indication
- Supplied with calibration certificate in sturdy protective pouch
- Max min / AVG / data hold functions
- Low battery indication
- Audible alarm
- Auto power off

### Product specifications:

#### Air velocity specifications:

	Range	Resolution
Measuring:	0.5 to 30 m/s	0.1
	1.75 to 105 km/h	0.1
	98.4 to 5905 ft/min	1.0
	0.97 to 58.3 knots	0.1
	1.11 to 67.0 MPH	0.1
	150 to 9000 CMM	1.0
	787 to 47244 CFM	1.0
Accuracy:	Reading $\pm 3\%$ $\pm 0.3d$	
Sampling rate:	2 times/sec	
Area set:	0.1 to 9999 CM <sup>2</sup> , M <sup>2</sup> or ft <sup>2</sup>	
Measurement units:	m/s, km/h, ft/min, knots, Mph,	
Grade indication:	Yes	
3 colour LED alarm:	3 colour LED indication	

#### Light meter specifications:

Measuring range:	0 Lux to 200K Lux, 0Fc to 20KFc
Accuracy:	$\pm 3.5\%$ rdg $\pm 8$ dgts. (<10,000Lux) $\pm 4.5\%$ rdg $\pm 10$ dgts. (>10,000Lux)
Spectral response:	CIE photopic (CIE human eye response curve)
Spectral accuracy:	CIE V $\lambda$ function f1' $\leq 6\%$
Cosine response:	f2' $\leq 2\%$
Data update:	2 times/sec
Photo detector:	One silicon photo diode with filter
Visible alarm:	3-colour LED light alarm Green light: <500Lux, Yellow light: 500 to 1000Lux, Red light: >1000Lux Alarm beeps when reading goes above 500Lux.




**Measurement for life.**



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## Sound level meter specifications:

Measuring range:	Auto: 35dB to 130dB
Accuracy:	±2.0dB
Display:	4digits
Resolution:	0.1dB
Frequency response:	31.5Hz to 8kHz
Standard:	IEC61672-1 CLASS2
Frequency weighting:	dBA
Time weighting:	(SLOW) 1
Microphone:	1/2 inch Electric condenser microphone
Alarm:	Alarm beeps when reading goes above 60dB.

## Temperature specifications:

Range:	-20 to 60°C (-4 to 140°F)
Accuracy:	+/-1.0°C (+/-1.8°F)
Resolution:	0.1°C/F

## Humidity specifications:

Range:	20 to 100%RH
Accuracy:	±5%RH between 35 and 80%RH, otherwise±7%RH
Resolution:	0.1%RH

## General instrument specifications:

AVG:	Average of the latest 10 readings
Audible alarm:	Alarm sounds for 20 seconds, pauses for 1 minute then repeats cycle. (The alarm can be turned on or off by user)
Overloading display:	Display "LO" under range and "HI" over range
Operating conditions:	-20 to 60°C (-4 to 140°F) & 10 to 75 %RH
Storage conditions:	-20 to 60°C (-4 to 140°F) & 10 to 75 %RH
Auto power off	After approx. 15 minutes of inactivity (Can be switched off by user)
Battery:	3 x AA batteries or USB type-C cable
Battery life:	Approx. 30 hours
CE & RoHS/WEEE:	Compliant
LCD dimensions:	55mm x 48mm
Product dimensions:	Net: 242mm x 68mm x 30mm Gross: 265mm x 85mm x 48mm
Product weights:	Meter: 292g Protective pouch: 45g Box & instruction sheet: 57.5g Gross: 397.5g

Description	Barcode	Product no
Heavy duty 5-in-1 meter	5 011405 134943	13/494/0