



# 5-in-1 Environment Meter - AI 965

## Features

- Measures: Sound Level, Light, Air Velocity, Temperature and Humidity
- Auto range for sound with A frequency weightings
- Cosine corrected silicon diode sensor for lux levels
- 70mm vane for airflow
- Semiconductor sensors in the probe for humidity and ambient temperature measurements
- Selectable units °C/°F
- 55mm LCD display with backlight and function indicators
- Data hold function freezes displayed value
- Max hold display highest measured value
- Max memory display highest measured value since power on
- Auto power off
- Low battery indication



## SPECIFICATIONS

### Sound Level

Applied standard	IEC61672-1 CLASS2
Accuracy	±2.0dB
Display	4digits
Resolution	0.1dB
Frequency response	31.5Hz to 8kHz
Measurement range	Auto: 35dB to 130dB
Frequency weighting	dBA
Microphone	1/2 inch Electric condenser microphone

### Light

Measuring range	0 Lux to 200K Lux, 0Fc to 20KFc
Spectral response	CIE photopic (CIE human eye response curve)
Spectral accuracy	CIE Vλfunction f1'≤6%
Cosine response	f2'≤2%
Accuracy	±4% rdg±0.5%f.s.(<10,000Lux) ±5% rdg±10dgts.(>10,000Lux)
Photo detector	One silicon photo diode with filter

Data update	1 time/sec
Maximum value	MAX
Minimum value	MIN
Data Hold	HOLD
Auto power off	Automatically power off after approx. 15 minutes of inactivity
Power supply	one 9V battery with type of 006P, NEDA1604 or IEC6F22
Battery life	About 30 hours
Operating condition	-20°C to 60°C, 10%RH to 90%RH
Storage condition	-40°C to 60°C, 10%RH to 75%RH
Dimensions	252 x 66 x 33 mm
Weight	568g

### Air velocity

Air velocity range	0.5m/s to 30.0m/s
Air velocity accuracy	± (3%±0.3d)
Measurement units	m/s, km/h, ft/min, knots, mph

### Temperature

Measurement range	-40 to 70°C
Accuracy	±2.0°C
Measurement units	°C/°F
Resolution	0.1

### Humidity

Measurement range	10 to 95%RH
Accuracy	±5RH%
Resolution	0.1

## MODEL

## DESCRIPTION

AI 965	5-in-1 Environment Meter
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