5-IN-1 ENVIRONMENT METER

The 5-in-1 digital Multifunction Environment Meter has been designed to combine the functions of a Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter and CFM/CMM Thermo-Anemometer. It is an ideal Multifunction Environment Meter with scores of practical applications for professional and home use. The Sound level function can be used to measure noise in factories, schools, offices, home, etc, checking acoustics of studios, auditoriums and hi-fi installations. The Light function is used to measure luminance in the field. It is fully cosine corrected for the angular incidence of light. The light sensitive component used in the meter is a very stable, long life, silicon diode. The Humidity/Temperature uses a humidity/semiconductor sensor and K-type thermocouple. CFM/CMM Thermo-Anemometer is suitable for use in a wide variety of applications, including plant maintenance operations, environmental analysis, fume hood testing, and HVAC system assessments.

Features

- Large LCD display with backlight.
- MAX, MIN and AVG measurements.
- Display shows Sound, Light, K-Type Temperature, Humidity & Temperature as well as Air Velocity & Air Flow.
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy.
- The device measures air velocity, it features 5 selectable units of velocity measure: m/s, ft/min, km/h, MPH, knots, and it features 2 selectable units of flow measure: CFM, CMM.
- Easy to set Area dimension (up to 6 points) for air flow measurement.
- USB interface, USB to UART Bridge Controller.
- Low battery indication, Auto Power Off (Sleep mode) adjustable.

Function	Range
Sound Level	30dB-130dB
Light	20000Lux
Humidity and Air Temperature	5%-98%RH -30 - 99.9°C
K Type Temperature	-200°C - 1375°C
Air Velocity	(0.40~30)m/s
	(196~5900)ft/min
	(3.6~108.0)km/h
	(2.2~67.0)MPH
	(1.9~58.0)Knots
Air Flow	(0~999900)CFM
	(0~999900)CMM
Operating Conditions	0 to 50°C
Size	251 x 63.8 x 40mm
Weight	365g

MT941

6-IN-1 ENVIRONMENT METER

IEC 61010-1 CAT III 1000V | IEC 61010-1 CAT IV 600V

The MT1875 has standard digital multimeter functions like the ability to measure voltage, current, continuity, resistance, temperature, frequency and diode test and can perform additional functions to solve environmental conditions. The 6-in-1 MT1875 has been designed to combine sound levels, Lux, humidity, Temperature, Non contact AV Voltage all in one versatile Digital Multimeter. Ideal for practical applications for professional and home use.

Features

- AC V / DC V 600V
- Fully functional DMM
- Sound Level Meter 100dB
- Light Meter 40 000 Lux
- Humidity Meter 95% RH
- Resistance 40MΩ
- Temperature 1300°C
- Capacitance 100µF
- Frequency 10MHz
- Duty Cycle
- 4000 Count LCD
- Diode Check
- Continuity

Function	Range	Accuracy
DC Voltage	600V	±(1.0% +4)
AC Voltage	600V	±(1.0% +4)
DC Current	10A	±(1.0% +2)
AC Current	10A	±(2.0% +5)
Resistance	40MΩ	±(1.5% +2)
Temperature	-20 to 1300°C	±(3.0%+5)
Temperature resolution	1°C	
Frequency	10MHz	±(1.2% +5)
Duty Cycle	0.1 to 99.90%	
Capacitance	100.0µF	±(3.0% +5)
AC Bandwidth	50Hz to 400Hz	
dB Measurements	35-110dB	
Humidity	33%-99%	±(3.0%+5)
Lux	4000-40 000Lux	±(5.0% +10)
Size	170 x 79 x 50mm	
Weight	335g	

MT1875

ENVIRONMENTAL METERS