

LM-8102

Digital Sound, Anemometer,
%RH, Temp. Type K
light meter

Specifications

Sound level meter : 30 to 130 dB, auto range.
Humidity : 10 to 95 %RH, Temp.. (°C/°F).
Anemometer : 0.4 to 30 m/s, Temp.. (°C/°F).
Light : 0 to 20,000 Lux, 0 to 1,660 Ft-cd, auto range.
Type K Thermometer : -100 to 1300 °C, °C/°F.
The sound level meter meets IEC 61672 TYPE 2.
Data hold, Record (Max., Min.), RS232/USB.



Features

- 5 in 1 professional measuring instrument: Anemometer, Type K Thermometer
- Hygrometer, Type K Thermometer, Light meter.
- Sound level meter. Measurement Range Resolution
- Anemometer uses low-friction ball bearing mounted Temperature (Type K) -148 to 2372 °F 0.1 °F wheel design provides high accuracy. -100 to 1300 °C 0.1 °C
- Light meter uses exclusive photo diode and color correction filter light sensor, spectrum meets C.I.E. Measurement Range Accuracy photopic. Temperature -148 to 2372 °F ± (1% reading + 2°F)
- Type K thermometer uses a standard type K (NiCr-NiAl) (Type K) -100 to 1300 °C ± (1% reading + 1°C) thermocouple input jack suitable for all kinds of type K probe. Anemometer (Air velocity/Temp.)
- Humidity meter uses high precision humidity sensor with fast response time. Measurement Range Resolution
- Sound level meter's characteristic is simulated as Air velocity ft/min 80 to 5910 ft/min 1 ft/min " Human Ear Listing" response, used the " A " frequency m/s 0.4 to 30.0 m/s 0.1 m/s weightings and " Fast " time weighting to meet IEC km/h 1.4 to 108.0 km/h 0.1 km/h 61672 class 2. MPH 0.9 to 67.0 mile/h 0.1 MPH
- Sound level meter can cooperate with the external 94 dB knots 0.8 to 58.3 knots 0.1 knots sound calibrator and just press the front buttons to make Temperature 32 to 122 °F 0.1 °F the calibration (Semiconductor) 0 to 50 °C 0.1 °C
- Built-in microprocessor circuit assures excellent performance and accuracy. Measurement Range Accuracy
- Concise and compact buttons arrangement, easy operation. Air velocity 80 to 5910 ft/min
- Memorize the maximum and minimum value with recall. 0.4 to 30.0 m/s <= 20 m/s : ± 3% F.S.
- Hold function to freeze the current reading value. 1.4 to 108.0 km/h > 20 m/s : ± 4% F.S.
- °C/°F detection by pressing the button on the front panel. 0.9 to 67.0 mile/h
- Lux/Feet-candle selection by pressing front button. 0.8 to 58.3 knots
- Air velocity measuring units selection by pressing buttons 32 to 122 °F ± 2.5 °F on the front panel for five kinds of units. 0 to 50 °C ± 1.2 °C
- Multi-channel display for relative humidity and Remark : temperature measured values or air velocity and ft/min: feet per minute MPH: miles per hour temperature measured values at the same time. m/s: meters per second knots: nautical miles per hour
- Zero button design makes light meter calibration. km/h: kilometers per hour
- Roughhousing case suitable for handling with one hand,
- RS232/USB computer data bus Light



AVM-714

Hot wire Anemometer Thermal Anemometer, available for very low air velocity measurement. with Telescopic Probe



Features

- Thermal Anemometer, available for very low air velocity measurement.
- RS-232 PC serial interface.
- Data hold
- Auto power off to save battery life
- Multi-functions for air flow measurement: m/s, km/h, ft/min. knots, mile/h.
- Slim probe, deal for grillers & diffusers.
- Super large LCD with dual function meter display, read the air velocity and temp. at the same time.
- The portable anemometer provides fast accurate reading with digital readability and the convenience of a remote probe separately.
- Combination of hot wire and standard thermometer, deliver rapid and precise measurements even at low air velocity value.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Heavy duty and compact housing case.
- Records maximum and minimum readings with recall function.
- Build in temperature deg C and deg F measurement.
- Thermometer sensor for Temp. Measurement, fast response time
- used the durable, long-lasting components, including a strong, light weight ABS plastic housing case.
- Deluxe hard carrying case
- Applications: Environmental testing, air conveyors, flow hoods, clean rooms, air velocity, air balancing, fans/motors/ blowers/furnace velocity, refrigerated case.
- Operates from 6 pcs UM-4 batteries
- Optional PC software.
- Custom one-chip of micro processor LSi Circuit.
- Power off Auto power off to save battery life or manual off by pushing the button.

Large display	13mm (0.5") super large LCD display with dual function meter display
Sensor Structure	Air velocity: Tiny las bead thermistor, Temperature: precision thermistor,
Memory	Maximum and Minimum with recall.
Sampling Time	Approx. 0.8 sec.
Data output	RS-232 PC serial interface.
Operating Temperature	0 to to 50 deg C (32 deg F to 122 deg F)
Operating Humidity	Less than 80% RH
Power Supply	1.5V AAA (UM-4) battery x 6 (Alkaline or heavy-duty type)
Weight	355 g/0.78 lbs
Dimension Main Instrument	180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch)
Telescope Probe	Round 12 mm Dia x 280 mm (min Lenght) x 940 mm (Max length)
Accessories Included	Instruction Manual x 1, Telescope probe x 1, Hard carrying case x 1
Measurement	m/s Range: 0.2 ~20.0 m/s with 0.1m/s resolution , +/- (5% +1 d) reading 2. km/h Range: 0.7 ~ 72.0 km/h with 0.1 km/h resolution. 3. ft/min Range: 40~3940 ft/min with 1ft/min
MPH Range	0.5 ~ 44.7 MPH with 0.1 MPH resoution
Knots Range	1.0 ~ 31.1 knots with 0.1 knogs reslution
Temperature Range	0 ~ 50 deg C (32 ~ 122 deg F) with 0.1 deg C/F resolution.
Basic Accuracy	Air Velocity: +/- (3%+1 digit) reading or +/- (1%+1 digit) full scale, whichever is larger Temperature +/-0.8 deg C +/-1.5 deg F.



AVM-715

Anemometer

Features

- Instant Display of the air Velocity and temperature
- Maximum , Minimum and average Value Calculation
- Easy Air flow Volume calculation (CMF/CMM)
- 10 Memories Data Storage/Recalling/Clearing
- Data HOLD/TEST function
- Low Battery Indication
- One Hour Auto Shut off function
- Instant display of air velocity, airflow, and temperature
- Selectable air velocity unit m/s, km/hr, mph, ft/min, or knots
- Temperature unit °F/°C selectable
- Maximum, minimum, and average calculation
- 10 sets of memory data storage/recalling/clearing
- 1/4 in. 20 UNC threading for tripod mounting
- Comprehensive kit set with carrying case



Specifications

Air Velocity Measurement	0.5 to 45.0 m/s (meter per second) 1.8 to 162.0 km/hr (kilometer per hour) 1.1 to 100.0 mph (mile per hour) 98 to 8800 ft/ min (feet per minute) 1.0 to 88.0 knots (nautical miles per hour)
Air Velocity Accuracy	±(0.3+2% reading) for 2 m/s or above
Air Velocity Resolution	0.1 for m/s, km/hr, mph, knot 10 for ft/min
Temperature Measurement Range	0°C ~ +70°C or 32°F ~ +158°F
Accuracy	±0.5°C in the range of 0°C ~ +50°C or ±0.9°F in the range of +32°F ~ +122°F, otherwise more than ±1°C or 1.8°F
Resolution	0.1° for whole range except ft/min
Ambient Temperature for Plastic Case	0°C ~ +50°C or +32°F ~ +122°F
Sensor Type	NTC
Battery	3 x 1.5 volts "AAA" size or equivalent
Dimension (mm)	Unit: 85 x 175 x 39 / Vane Probe: 76 x 67 x 32 LCD Size (mm): 54 x 35 / Probe Length (mm): 125
Available Colour	Grey
Functions	On/Off, Hold/Test, °F/°C, 10 Memories storage, Air velocity unit, Avg multi-point, Airflow volume measurement, Avg/ Max/Min reading



AVM-712

Anemometer Air velocity meter



Features

- Three Measurements in one instrument.
Air flow: CMM(M3/min) and CFM(FT3/min)
Air velocity: m/s, ft/min, km/h, knots, mile/h.
Air temperature: Degree C and F.
- Three air flow mode: Instant, 2/3rd Velocity Max, Average
- This instrument use Low friction ball vane wheels to make sure high accuracy in high and Low velocities.
- High accuracy and special function built-in micorcomputer circuit design.
- Use fast-response-time Thermistor sensor for temperature measurement.
- Separate probe for different environment measurement.
- Large LCD dual display
- Data hold function
- Auto power off
- Low battery indicator
- 006P DC 9V battery operation
- With hard carrying case
- Recall function for max & min record
- Wide applications for air conditioning & heating sytems, measuring air velocities, wind temperature

Specifications

Fast Sampling Time	Approx. 1 second.
Operating Temperature	0°C to 50°C (32°F to 122°F)
Data Output	RS232 PC serial interface
Power Supply	Alkaline or heavy duty type DC 9V battery, 006P, MIN 1604(PP3) or equivalent.
Power Consumption	Approx. DC 8.3mA
Weight	381 g/0.84 LOB, Main Instrumen
Dimensions	Main instrument: 180x72x32mm (7.1x2.8x1.3 inch).
Accessories	Instruction manual x 1, sensor probex 1, carrying case x 1
Optional Accessores	Software (Windows version, Data record & data acquisition) SW-U101-WIN RS-232 cable UPCB-01
Air Velocity	m/s Range / Resolution /Accuracy : 0.4-25.00 m/s 0.01 m/s \pm (2%+2.0 m/sec) km/h Range /Resolution /Accuracy: 1.4-90.0 km/h 0.1 km/h \pm (2%+0.2 km/h) Mile/h Range/ resolution/ Accuracy: 0.9-55.9 mile/h 0.1 mile/h \pm (2%+0.2 mile/h) Knots Range/ Resolution/ Accuracy: 0.8-48.6 knots 0.1 knots \pm (2%+0.2 knots) Ft/min Range/ Resolution/Accuracy: 80-4921 ft/min 1 ft/min \pm (2%+20 ft/min)
Air Flow	Measurement/ range/ resolution/ Area CMM (m3 /min.) 0-999,900 m3 /min. 0.001-100 m3 /min. 0.001-9,999 m3 /min. CFM (ft3 /min.) 0-999,900 ft3 /min. 0.001-100 ft3 /min. 0.001-9,999 ft3 /min.
Air Temperature	Measurement Range/ Resolution/ Accuracy: 0°C to 50°C 0.1°C 0.8°C (32°F to 122°F 0.1°F 1.5°F)



AVM-702

Digital Anemometer



Features

- 3 1/2 digit LCD display (1999 Count)
- Meter per second, kilometers per hour, knots, & feet per minute measurement units
- Low friction ball-bearing design ensures precise low and high reading
- Fast sampling rate of 2.5 times per second

Specifications

Measurement Range	0.8~30.0 m/s (meter per second) 2.8~108km/h (kilometers per hour) 1.6~58 knots (nautical miles per hour) 160~5900ft/min (feet per minute)
Resolution	0.1m/s,0.1km/h,0.1knots,10ft/min
Accuracy	Full scale +/- (3%+2dgts)
Power Requirement	1 piece 9V battery
Dimensions	4.3" x 2.9" x 1.4" (180x73x23mm)
Round sensor head	2.83 (72mm) diameter
Weight	9.2 oz(260g)
Accessories	Sensor probe, battery and owners manual.



AVM-713

Mini type wind temperature Air speed Anemometer

AVM-713 anemometer is a mini wind speed and wind temperature tester. This light weight device with the latest magnetic sensor technology, can directly display the liquid crystal display on the air velocity. It is the perfect tool for sporting events, wind measurement, navigation, HVAC and other fields.

Features

- 12 wind speed bar dynamic display, so you at a glance.
- Wind speed at the same time display function.
- Five units m / s, ft / m, mph, Km / h, Knots switch display.
- Maximum value, average display mode.
- Small and exquisite, easy to carry.
- White backlit, automatic shutdown.



Specifications

Functions	Range	Resolution	Accuracy
Wind Speed	0~30m/s	0.1m/s	±5%rdg+0.5
Temperature	-10~50°C	0.1°C	±2°C
14~122°F	0.2°F	±4°F	
Wind Scale	Level 0~12	1	±1

Sampling Rate	0.5s		
Overload Indication	>45m/s		OL
MAX/AVG			MAX/AVG
Data Hold			HOLD
LCD Backlight			Yes
Auto Power Off			5min
Low Battery Indication			3.0~3.5V
Battery 4.5V			
Current Consumption	Working	mA	≤25mA
Power off	uA	≤10uA	
Work Environment	Temperature: 0~40°C Humidity: ≤80%RH		
Storage Environment	Temperature: -20~60°C Humidity: ≤75%RH		
Key Functions	ON/OFF - Short press to turn on/off the meter MAX/AVG - Short press to switch between MAX/MIN/QUIT UNIT - Short press switch between m/s, ft/m, mph, Km/h, Knots, °C, °F. HOLD/BL - Short press to turn on/off backlight		



PM-730

Dual Input Differential Manometer

Features

- Most Robust Differential Pressure Meter.
- 4 switchable units: inWC, mmWC, mbar, PSI
- Rubber-boot protection for tough applications.
- Dual Display and Dual Input.
- Main display: P1, P2
- Second Display P1 -P2



Specifications

Accuracy	0 to 50 °C (32 °F ~ 122 °F) +/- 1.5%FS
Operating Environment	0 to 50 °C (32 °F ~ 122 °F) ambient
Compatible Media	Dry, non-corrosive gases
Battery Power	9V
Battery Life	200 hours with low battery indication on display
Units of Measurements	inWC, mmWC, mbar, PSI
Pressure ports tube	Connectors for 8mm, I.D. flexible tubing
Deimensions	180mm (H) x 60mm (W) x 30mm (D)
Weight	Approx. 195 g including battery.
Measurement range	in WC: 0.00 to +/-60.0 mmWC: 0.0 to +/-1500 mBar: 0.00 to +/-150.0 PSI: 0.000 +/- 2.000
Accuracy	+/- 1.5% FS

PM-731

Dual Input Differential Manometer

Features

- Most robust differential pressure meter.
- 4 switchable units: InWC, mmWC, mbar, psi.
- Rubber-boot protection for tough applications.
- Dual Display and Dual input.
- Main Display: P1.
- Second Display: P1-P2, P2.



Specifications

Accuracy	Stated accuracy at 23°C±5°C,
Operating environment	0°C to 50°C, (32°F to 122°F) ambient.
Compatible Media	Dry, non-corrosive gases
Battery Life	200 hours with low battery indication on display.
Units of Measure	InWC, mmWC, mbar, psi.
Pressure Ports	tube connectors for 8mm I.D. flexible tubing.
Battery	1.5V x 4pcs AAA size.
Dimensions	171mm(H) x 83mm(W) x 40mm(D).
Weight	Approx. 230g including batteries
Measurement range	InWC: 0.00 to ± 60.00 mmWC: 0.0 to ± 1500.0 mbar: 0.00 to ± 150.00 psi: 0.0000 to ± 2.0000
Accuracy	±1.5% FS