METRAVI | DIGITAL THEROMO-ANEMOMETER CUM PRESSURE METER WITH CFM & CMM | *AVM-09*

INTRODUCTION

The device measures Gauge/Differential Pressure, Air Velocity, Air Flow and temperature. Additional features include Data Hold. Auto Power Off and an USB for capturing reading to a PC using optional software.

FEATURES

- Larger LCD display with backlight.
- Relative time clock on MAX, MIN and AVG provides a time reference for measurement.
- Pressure measurement provides Zero Adjust and DIF function.
- Display Pressure, Air Velocity or Air Flow plus Temperature simultaneously.
- Easy to set area dimension (up to 8 point)
- USB interface, USB to UART Bridge Controller.
- Low battery indication, and Auto Power Off mode (Sleep mode) increases battery life.

GENERAL SPECIFICATIONS

Operating Conditions	0 to 50ºC
Storage Conditions	-10 to 60ºC
Power Supply	1 x 9V Battery
Low Battery Indicator	Yes
Dimensions	203mm x 75mm x 50mm

TECHNICAL SPECIFICATIONS

Manometer

Accuracy	± 0.3% FSO (25ºC)		
Repeatability	± 0.2% (Max + /-0.5% FSO)		
Linearity/Hysteresis	± 0.29% FSO		
Pressure Range	± 2 psi		
Maximum Pressure	10psi		
Response Time	0.5 Seconds typical		
Over range Indicator	Err.1 (DIF Err.3)		
Under range Indicator	Err.2 (DIF Err.4)		
	Units	Range	Resolution
	Psi	2.000	0.001
	Mbar	137.8	0.1
Units and Resolution	Kpa	13.78	0.01
	InHg	4.072	0.001
	mmHg	103.4	0.1

TECHNICAL SPECIFICATIONS

Range of Air Velocity

Air Velocity	Range	Resolution	Accuracy
m/s (meter per second)	0.40 - 30.00	0.01	± 3% ± 0.20 m/s
ft/min (feet per minute)	80 - 5900	1	± 3% ± 40 ft/min
km/h (kilometers per hour)	14 - 108.0	0.1	± 3% ± 0.8 km/h
MPH (miles per hour)	0.9 - 67.0	0.1	± 3% ± 0.4 MPH
Knots (nautical miles per hour)	0.8 - 58.0	0.1	± 3% ± 0.4 knots

Range of Temperature

	Range	Resolution	Accuracy
ºC	0 to 50.0ºC	0.1	± 1.0ºC
ºF	32 to 122.0ºF	0.1	± 2.0ºF

Rang of Air Flow

Air Flow	Range	Resolution	Area
CFM	0-999, 900ft^3/min	0.001 to 100	0.000-999.9
CMM	0-999, 900m^3/min	0.001 to 100	0.000-999.9

CFM (ft^3/min) = Air Velocity (ft/min) x Area (ft^2)
CMM (m^3/min) = Air Velocity (m/s) XArea (m^2) x 60
CFM: cubic feet per minute
CMM: cubic meters per minute

*Technical Specifications & Appearance are subject to change without prior notice

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