



DT-8920

PRESSURE & FLOW METER

- | Large LCD display with backlight
- | Relative time clock on MAX MIN and AVG provides a time reference for measurement
- | Pressure, Velocity or Air Flow Measurement with Zero Adjust
- | Display Pressure, Air Velocity or Air Flow plus environment Temperature simultaneously
- | Easy to Calculate the area of a rectangular or circular duct
- | USB interface, USB to UART Bridge Controller
- | Low battery Indication, and Auto Power Off Mode (Sleep mode) increases

DT-8920

Pressure & Flow Meter



General Specification

| | |
|-----------------------|--|
| Operating Conditions | 0 to 50°C |
| Storage Conditions | -10 to 60°C |
| Power Supply | 1X 9V Battery |
| Low Battery Indicator | Yes |
| Dimensions | 203mmx75mmx50mm |
| Relative Humidity | Non condensing (<10°C) 90% RH (10°C to 30°C)75% RH (30°C to 40°C)45% RH (40°C to 50°C)(Without Condensation) |

Manometer Specification

| | | | |
|-----------------------|--------------------------|--------|------------|
| Accuracy | ±0.3% FSO(25°C) | | |
| Repeatability | ±0.2% (Max. +/-0.5% FSO) | | |
| Linearity/Hysteresis | ±0.29% FSO | | |
| Pressure Range | 5000 Pa | | |
| Maximum Pressure | 10psi | | |
| Response Time | 0.5 Seconds typical | | |
| Over range Indicator | Err.1 | | |
| Under range Indicator | Err.2 | | |
| | Units | Range | Resolution |
| | PSI | 0.7252 | 0.0001 |
| | Mbar | 50.00 | 0.01 |
| | inH2O | 20.07 | 0.01 |
| | mmH2O | 509.8 | 0.1 |
| | Pa | 5000 | 1 |

1psi*27.68=inH2O
1psi*68.947=mbar
1psi*703.072=1*mmH2O
1psi*6894.6=Pa
FSO: Full Scale Output

Anemometer Specifications

Range of Air Velocity

| Air Velocity | Range | Resolution | Accuracy |
|--------------------------------|-------------|------------|---|
| m/s(meter per second) | 1.00-80.00 | 0.01 | ±2.5% of reading at 10.00 m/s accuracy is function of velocity and duct size |
| ft/min(feet per minute) | 200-15733 | 1 | |
| km/h(kilometers per hour) | 3.6-288.0 | 0.1 | |
| MPH(miles per hour) | 2.24-178.66 | 0.01 | |
| Knots(nautical miles per hour) | 2.0-154.6 | 0.1 | |

Range of Air Flow

| Air Flow | Range | Resolution |
|----------|-----------------|---------------|
| CFM | 0-99.999ft³/min | 0.0001 to 100 |
| CMM | 0-99.999m³/min | 0.001 to 100 |

CFM(ft³/min) =Air Velocity (ft/min) x Area (ft²)
CMM(m³/min)=Air Velocity (m/s) x Area (m²) x 60
CFM: cubic feet per minute
CMM: cubic meters per minute

Range of Temperature

| | Range | Resolution | Accuracy |
|----|----------------|------------|----------|
| °C | 0 to 50.0°C | 0.1 | ±1.0°C |
| °F | 32.0 to 22.0°F | 0.1 | ±2.0°F |

Contact :



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