

Introducing iManifold™ Wireless Dual-Port Manometer

Use the Imperial® iManifold™ high resolution Wireless Manometer to measure total external static pressure (TESP), return static, supply static, zone pressures and draft. Make velocity pressure readings in duct systems with a user supplied Pitot tube. Mass flow technology automatically compensates for changes in air density and displays results equivalent to sea level.

921-M Features

- Works exclusively with the Imperial iManifold system
- Designed specifically for high accuracy and resolution—no zeroing required
- Ideal for static pressure readings, TESP, draft, zonal depressurization and air balancing
- Can be used as a probe or repeater
- Magnetic probe stays in place
- Includes (2) 5' lengths of 1/8" I.D. translucent silicone tubing with flush mount magnetic static pressure tips
- Uses (2) AAA batteries (included)



921-M Technical Specifications

Temperature	°F, °C
Pressure	Pa, inH ₂ O
Dry Bulb (T1 T2 side ports)	°F, °C
Sensor Types	Mass flow Temperature: 2 x NTC thermistor (side ports)
Response Time	
– Pressure	Max 1 second
– Temperature	Max 1 second
Wireless Protocol & Interface	ZigBee
Probe Measurement Ranges	
– Pressure	± 500 Pa, 0-2 inH ₂ O
– Temperature (optional)	-40 to 248°F (-40 to 120°C)
– Air Temperature (optional)	-40 to 248°F (-40 to 120°C)
– Pipe Clamp / Strap Probe Temp. (optional)	-40 to 300°F (-40 to 149°C)
Overload Pressure	15 psig (400 inH ₂ O)
Burst Pressure	75 psig (5 bar relative)
Resolution	0.001 inH ₂ O, 0.1 Pa
Accuracy (nominal pressure)	3% reading
Measureable Medias	Air, N ₂ , O ₂
Ambient Conditions	
– Operating Temperature	-4 to 140°F (-20 to 60°C) limited by batteries
– Storage Temperature	-20 to 140°F (-29 to 60°C)
– Humidity in Area of Use	0 to 100%RH (non-condensing)
IP Class	IP 50
Power Supply	2 x 1.5V AAA batteries Rechargeable / non-rechargeable
Standards	FCC / CE / C-Tic
Warranty	1 year

For use with Imperial iManifold

