

Pressure and Flow Meter



Specifications

Accuracy	±0.3% FSO (25°C)
Repeatability	±0.2% (Max. ±0.5% FSO)
Linearity/Hysteresis	±0.29% FSO
Pressure Range	±5000Pa
Maximum Pressure	10psi
Response Time	0.5 Seconds typical
Low Battery Indicator	Yes
Over Range Indicator	OL
Under Range Indicator	-OL
Operating Conditions	0 to 50°C
Storage Conditions	-10 to 60°C / 14 to 140°F
Zero Adjust and Offset	Yes
Data Hold	Yes
Max / Min / AVG	Yes

Measurement units, ranges, & resolution	Units	Range	Resolution
	inH ₂ O	20.07	0.01
	PSI	0.7252	0.0001
	mbar	50	0.01
	kPa	-	-
	hPa	-	-
	Pa	5000	1
	inHg	-	-
	mmHg	-	-
	ozin ²	-	-
	ftH ₂ O	-	-
	cmH ₂ O	-	-
	mmH ₂ O	509.8	0.1
	kgcm ²	-	-
	bar	-	-
Air Velocity	Range	Resolution	Accuracy
m/s (meter per second)	1 - 80	0.01	±2.5% of reading at 10m/s
ft/min (feet per minute)	200 - 15733	1	Accuracy is function of velocity and duct size
km/h (kilometers per hour)	3.5 - 288	0.1	
MPH (miles per hour)	2.25 - 178.66	0.01	
Knots (nautical miles per hour)	2 - 154.6	0.1	



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Air Flow	Range	Resolution	-
CFM	0-99.999ft ³ /min	0.0001 to 100	
CMM	0-99.999m ³ /min	0.001 to 100	
Temperature	Range	Accuracy	Resolution
°C	0 to 50°C	±1°C	0.1°C
°F	32°F to 122°F	±2°F	0.1°F

Part Number Table

Description	Part Number
Pressure and Flow Meter	ST-8920

