

DESCRIPTION

Iso-Tek applications that require more than one differential-pressure relationship to be monitored by a single Iso-Tek system will require an additional room sensor kit for each additional room. Each Iso-Tek system can support up to three additional room sensors for a total of four differential-pressure relationships. Each Iso-Tek room sensor kit model (ISOP) includes a Sensor Probe and a Reference Probe, as shown below.

MODEL CODE

ISOP

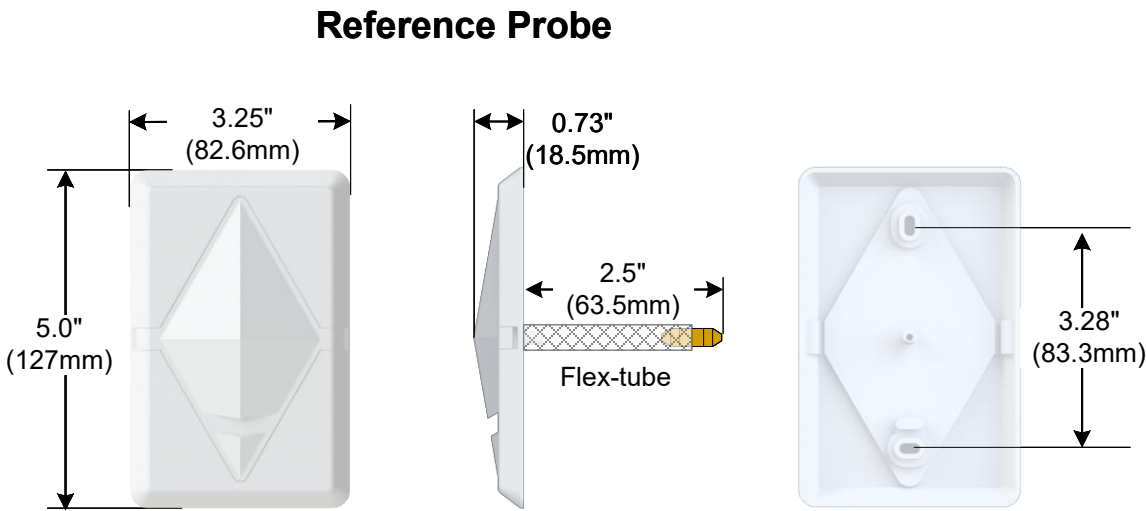
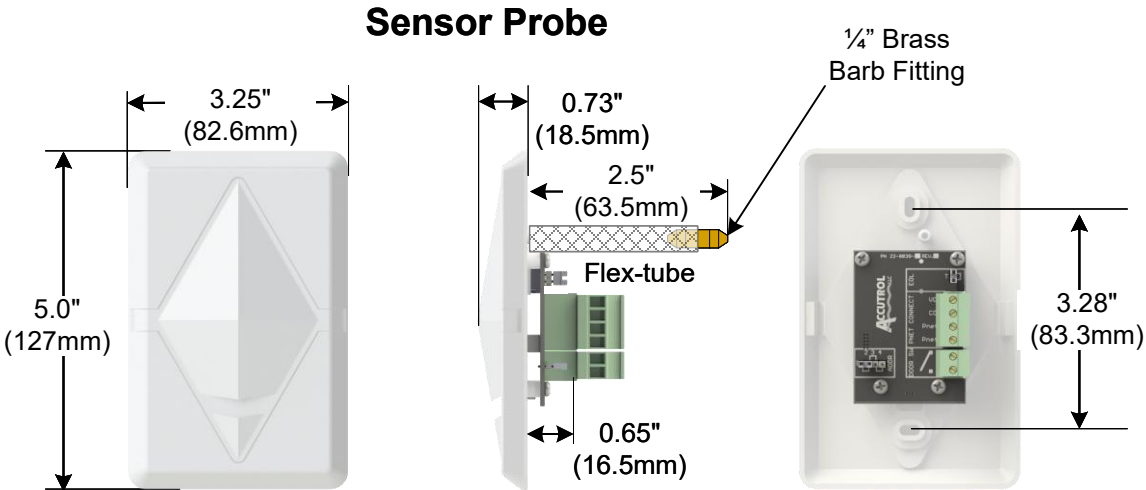
SENSOR RANGE

1 = -0.1" TO +0.1" wc

2 = -0.2" TO +0.2" wc

3 = -0.4" TO +0.4" wc

DIMENSIONS



SPECIFICATIONS

PRESSURE SENSOR			
Full Scale Pressure Range	± 0.100"wc (25Pa)	± 0.200"wc (50Pa)	± 0.400"wc (100Pa)
Pressure Measurement Resolution	0.00000335"wc (0.00083Pa)	0.00000670"wc (0.00166Pa)	0.00001338"wc (0.00333Pa)
Zero Offset	Typical: ± 0.00016"wc (0.04Pa)		
	Maximum: ± 0.0004"wc (0.1Pa)		
Span Accuracy	Typical: ± 0.75% of reading		
	Maximum: ± 1.5% of reading		
Static Error Band	± 3% of reading Note: Includes linearity, hysteresis, & repeatability		
Long Term Stability	± 0.00008"wc (± 0.02Pa) per year max		
Thermal Effects			
Offset	Max: ± 0.0004"wc (±0.1pa)	Max: ± 0.0008"wc (±0.2pa)	Max: ± 0.0008"wc (±0.2pa)
Span - of reading per 18°F (10 °C)	Typ: ±0.2% Max: ±0.5%	Typ: ±0.2% Max: ±0.5%	Typ: ±0.2% Max: ±0.5%
Status Indicator	Green LED to indicate status		
Connection	4-Pos. Screw Terminal (Note: connect to I/O Module using Windy City Wire # 042003 or equivalent)		
Operating Temperature	-4 to 176 °F (-20 to 80 °C)		
Storage Temperature	-40 to 185 °F (-40 to 85 °C)		
Humidity	0 to 95% RH non-condensing		
COMPLIANCE	RoHS, UL94-V0, CE		

MATERIALS

All Materials are RoHS Compliant
Sensor Probe and Reference Probe: ABS Plastic UL94-V0

INSTALLATION & WIRING

Reference the Iso-Tek SUBMITTAL drawing for installation and wiring instructions.