Model MRC

Multi-Range Critical Pressure Transducer

Setra's Model MRC multi-range low differential pressure transducer uses a dead-ended capacitive sensing element that requires minimal amplification and delivers excellent accuracy and longterm stability. The MRC is the industry's first multi-range sensor designed for critical environments. It is the only multi-range sensor available with $\pm 0.5\%$ FS accuracy and field selectable ranges down to 0.1" W.C., a requirement for critical applications. The MRC has 4 selectable ranges and 3 selectable outputs, easily adjustable on the job with a flip of a switch or jumper. The MRC is offered with 3 different mounting options: Duct Probe, DIN rail or Wall Mount and a universal design that incorporates all 3 configurations in one to address any installation changes on the job site.



The Setra MRC is the first multi-range transducer designed for use in Critical Environments. No other multi-range transducer product offers better than 1% FS accuracy; a requirement in most critical applications. The Setra MRC is available down to 0.1"W.C. with 0.5% FS accuracy.

Field Selectable Universal Design

The MRC has 4 selectable ranges and 3 selectable outputs, giving the flexibility to make changes on the job site. The MRC is field configurable for range, mounting (wall mount standard; DIN rail and duct versions optional), output (mA or voltage) and engineering units (W.C. or Pascals). This flexibility means that the contractor can use the MRC for all of their critical needs.

Robust Enclosure for Harsh Environments

The MRC housing is a robust IP67 rated design and is sealed with a gasket to make it wash down capable for difficult applications. The MRC can accommodate a conduit fitting that make installation and wiring easier.

The Setra Sensor

The core technology of the MRC is the all stainless steel capacitive sensing element. Setra designs and manufactures all of their sensing elements resulting in full control over the process and quality of every single sensor. The welded deadended capacitive sensors requires minimal amplification and delivers excellent accuracy and longterm stability. Setra's technology has been used in over 8 million installations and has the highest field acceptance rate in the industry.





- Ideal For Critical Environments
- ±0.5% FS Accuracy
- Universal Design

Model MRC Features:

- Field Configurable Duct Probe
- External Mounting Tabs & Optional DIN Rail
- IP67 Rated Housing
- 4 Digit LCD
- Field Selectable Range
- Field Selectable Output
- Simple 5-Step Setup
- Field Accessible Push-Button Zero & Span
- Unregulated AC/DC Operation

Target Uses:

- Hospitals
- Isolation Rooms
- Vivariums
- Service/Retrofit Friendly
- Sub-Contractors- Quick Installation
- Flexible for Building Specification Changes
- Service Technicians- Quick & Accurate Reconfiguration

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ORDERING INFORMATION

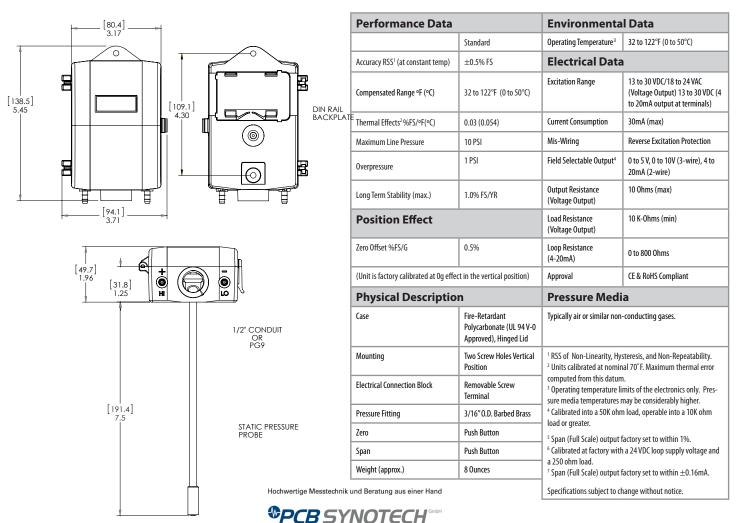
MR	-	C			-			-	
Model		Field Selectable Ranges				Configuration		Options	
MRC		Unidirectional Pressure Ranges		Bidirectional Pressure Ranges		S	Standard (Base Mount)	С	1/2" Conduit w/ Cal Certification ²
		0.1″W.C.	25 Pa	±0.1"W.C	±25 Pa	U	Universal ¹	D	PG9 w/ Cal Certification ²
		0.25"W.C.	50 Pa	±0.25"W.C.	±50 Pa	D	DIN Rail		
						Р	Duct Probe		

¹Universal unit includes Duct Probe and DIN rail options.

Ordering Example: MRCUC = Model MRC, Universal Configuration, with 1/2" Conduit.

DIMENSIONS

GENERAL SPECIFICATIONS



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 $^{^2}$ Calibration certificate is standard and is provided for highest range $\pm 0.25''$ W.C. on ± 50 Pa.