

Differential pressure transmitters

Features & Application

The TP3 series differential Pressure Sensor intended for use in the measurement of non-corrosive gases. This series is suitable for automotive diagnostics tools, industrial applications, pneumatics, and data loggers. transducers have been designed specifically for applications with demanding price and performance requirements.

The TP3 series transducers offer high level outputs, and low thermal errors. The housing is constructed from aluminum and stainless steel TP3 users can expect long life and high performance, making this model ideal for applications needing high accuracy, excellent long-term stability



Specification

Application: suitable for measurement of noncorrosive and nonconductive gas/liquid pressure

Range: 0~160 mb ~100 mb ~ 10 bar

Support static pressure: 10 mb

Burst Pressure: $\geq 200\%$ span

Protection: IP65

Material in contact with the fluid: stainless steel

Electrical connection: DIN43650

Material in contact with the fluid: stainless steel

Power supply power:

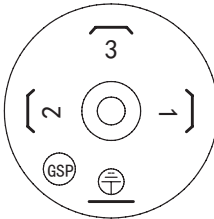
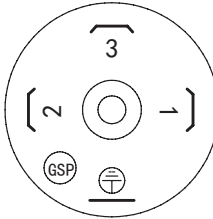
The output can be 0~5V when supplied with $\pm 15\text{VDC}$

or 4~20mA when supplied with 24VDC

Accuracy

Rank		JB	MB	MA	LA
Measuring Accuracy(%FS)		0.15	0.25	0.5	1.0
Temperature Error(10^{-4} /°C.FS)	ZTC	0.5	1	2	5
	STC	0.5	1	2	5
		0.05	0.1	0.1	0.2
Long time stability		0.1	0.15	0.2	0.3
Operating Temperature		-25°C to 85°C			
Compensated Temperature		-15°C to 85°C			

Electronic Connection

Models	Lead	Color	
Output: 0-5V; 0-10V; DIN43650	Excitation +	Red	
	Signal +	Blue	
	Excitation -/ Signal -	yellow	
Models	Lead	Color	
Output:4-20mA Hirschmann DIN43650	Excitation+	Red	
	Signal+	yellow	