



SHANGHAI ZHENGHONG SENSOR M&C TECHNOLOGY CO.,LTD

ZPT580

Differential pressure transmitter



ZPT580

Features& Application

The ZPT580 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 ZPT580 transducers offer high level outputs, and low thermal errors. The housing is constructed from aluminum and stainless steel. ZPT580 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~±16KPa~100~1000KPa

Support static pressure: 1MPa

Burst Pressure: ≥200% span

Protection: IP65

Material in contact with the fluid: stainless steel

Electrical connection: DIN43650A, Cable

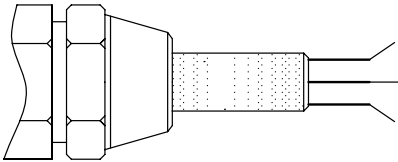
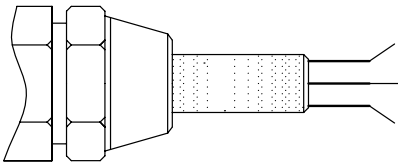
Material in contact with the fluid: stainless steel

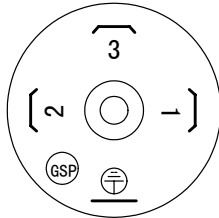
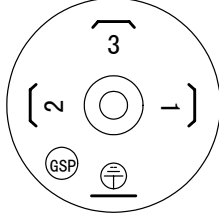
Power supply power:

The output can be 0~5V when supplied with ±15VDC, or 4~20mA when supplied with 24VDC

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 Shield Cable Series	Signal +	Blue	
	Signal -	yellow	
	Excitation +	Red	
	Excitation -	Yellow	
Models	Lead	Color	
Output: 4-20mA Shield Cable Series	Excitation +/ Signal +	Red	
	Excitation -/ Signal -	yellow	

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	

Workmanship – ShangHai ZhengHong pressure transmitters have a limited one-year warranty to the original purchaser. ShangHai ZhengHong will replace or repair, free of charge, any defective transmitter. This warranty does not apply to any units that have been modified; misused, neglected or installed where the application exceeds published ratings.

Installation/Applications - The purchaser is responsible for media compatibility, functional adequacy, and correct installation of the transmitter. **The sensor must be protected from mechanical damage when properly installed.**