



Pressure Transmitter, 0-5,000psi, 4-20mA out, 11-28V, NPT1/2 M, DIN 43650, Plug, Sealed Gauge

## PT989 Series IOT Pressure Sensors Technical Data Sheet

**PT989-5kPV1E22B1C10S**

### Features

- Pressure range 0-5000psi
- Sealed Gauge pressure transmitter
- Constant current / Constant Voltage power supply
- Isolated construction, enable to measure various media
- Stainless Steel
- Reverse polarity protection
- Short protection

### Applications

- Industrial process control
- Gas, liquid pressure measurement
- Gasoline, petroleum and chemical industries
- Water management

### Description

PT989-5kPV1E22B1C10S is a highly stable and reliable pressure transmitter with span and zero correction. PT989-5kPV1E22B1C10S pressure transmitter comes in a compact size, and is lightweight and stable. It can be used to measure pressure levels for many applications in metallurgy, mining, chemicals, water supply and waste management.

### Product Configuration

Application:	Pressure Transmitter
Pressure Type:	Sealed Gauge
Electrical Connector:	DIN 43650
Process Connector:	NPT1/2 Male

### General Specifications

Description	Minimum	Typical	Maximum	Unit
Pressure Range	0		5,000	psi
Accuracy		±0.5		%Full Scale
Zero Thermal Error			±0.03	% Full Scale/°C
Span Thermal Error			±0.03	% Full Scale/°C
Compensated Temp Range	0		50	°C
Long Term Stability			±0.3	%Full Scale/year
Overpressure		1.5		xFull Scale

### Electrical Specifications

Description	Minimum	Typical	Maximum	Unit
Output Signal		4-20mA		
Power Supply/Excitation Level	11	24	28	VDC



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### Material Specifications

Description	Material
Diaphragm	Stainless Steel 316L
Plug Housing	Plastic
Tubing	Stainless Steel 304
Pin	Kovar
O-Ring	Viton

### Mechanical Specifications

#### Electrical Connection

Transmitter connects with the outer circuit through DIN 43650 plug.

Pin	2-Wire
1	+V
2	Signal: +OUT
3	Null

### Environmental Specifications

Temperature (Operating)	-30°C to 80°C
Temperature (Storage)	-40°C to 120°C
Ingress Protection	IP65
Certifications	ROHS Compliant CE Compliant

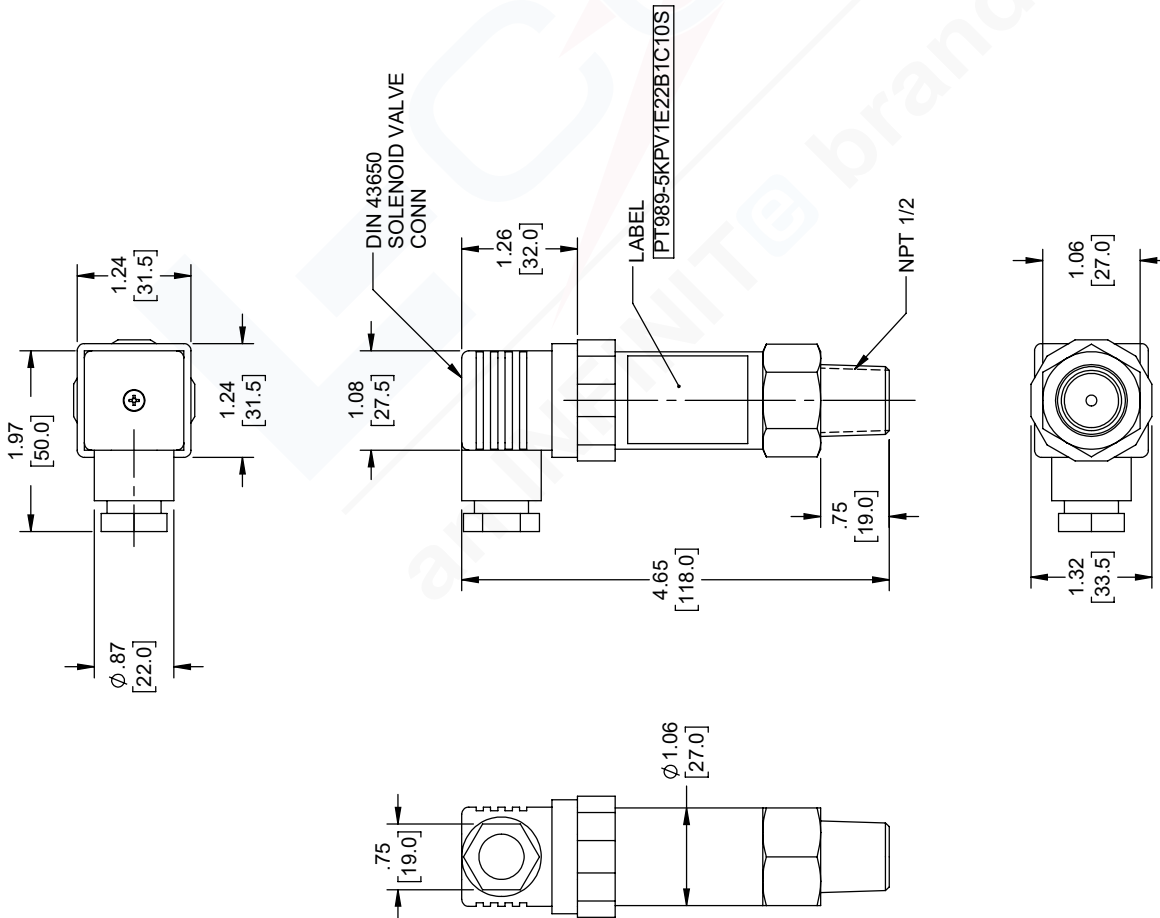
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# PT989-5kPV1E22B1C10S CAD Drawing

Pressure Transmitter, 0-5,000psi, 4-20mA out, 11-28V,  
NPT1/2 M, DIN 43650, Plug, Sealed Gauge

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	05/29/19	TOZA



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ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SCALE N/A	
THIRD-ANGLE PROJECTION		DRAWN BY DZINN	
		PART NUMBER PT989-5KPV1E22B1C10S	
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