

Pressure Transmitter, 0-15psi, 4-20mA out, 11-28V, NPT1/2 M, DIN 43650, Plug, Gauge



## PT989 Series

## IOT Pressure Sensors Technical Data Sheet

**PT989-15PV1E22B1C10G**

### Features

- Pressure range 0-15psi
- 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

PT989-15PV1E22B1C10G is a highly stable and reliable pressure transmitter with span and zero correction. PT989-15PV1E22B1C10G 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:        | Gauge                |
| Electrical Connector: | DIN 43650            |
| Process Connector:    | NPT1/2 Male          |

### General Specifications

| Description            | Minimum | Typical | Maximum | Unit             |
|------------------------|---------|---------|---------|------------------|
| Pressure Range         | 0       |         | 15      | 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<br>CE Compliant |

The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

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# PT989-15PV1E22B1C10G CAD Drawing

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