



an INFINIT® brand



Pressure Transmitter, 0-5,000psi, 0.5-4.5V out, 5V, NPT1/2 M, DIN 43650, Plug, Sealed Gauge

PT989 Series IOT Pressure Sensors Technical Data Sheet

PT989-5kPV6K22B1C10S

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

PT989-5kPV6K22B1C10S is a highly stable and reliable pressure transmitter with span and zero correction. PT989-5kPV6K22B1C10S 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 | | 0.5-4.5V | | |
| Power Supply/Excitation Level | | | 5 | VDC |
| Output Load | | | 10,000 | Ω |



an INFINIT[®] brand

Pressure Transmitter, 0-5,000psi, 0.5-4.5V out, 5V, NPT1/2 M, DIN 43650, Plug, Sealed Gauge



PT989 Series IOT Pressure Sensors Technical Data Sheet

PT989-5kPV6K22B1C10S

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 | 3-Wire |
|-----|--------------|
| 1 | +V |
| 2 | GND |
| 3 | Signal: +OUT |

Environmental Specifications

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

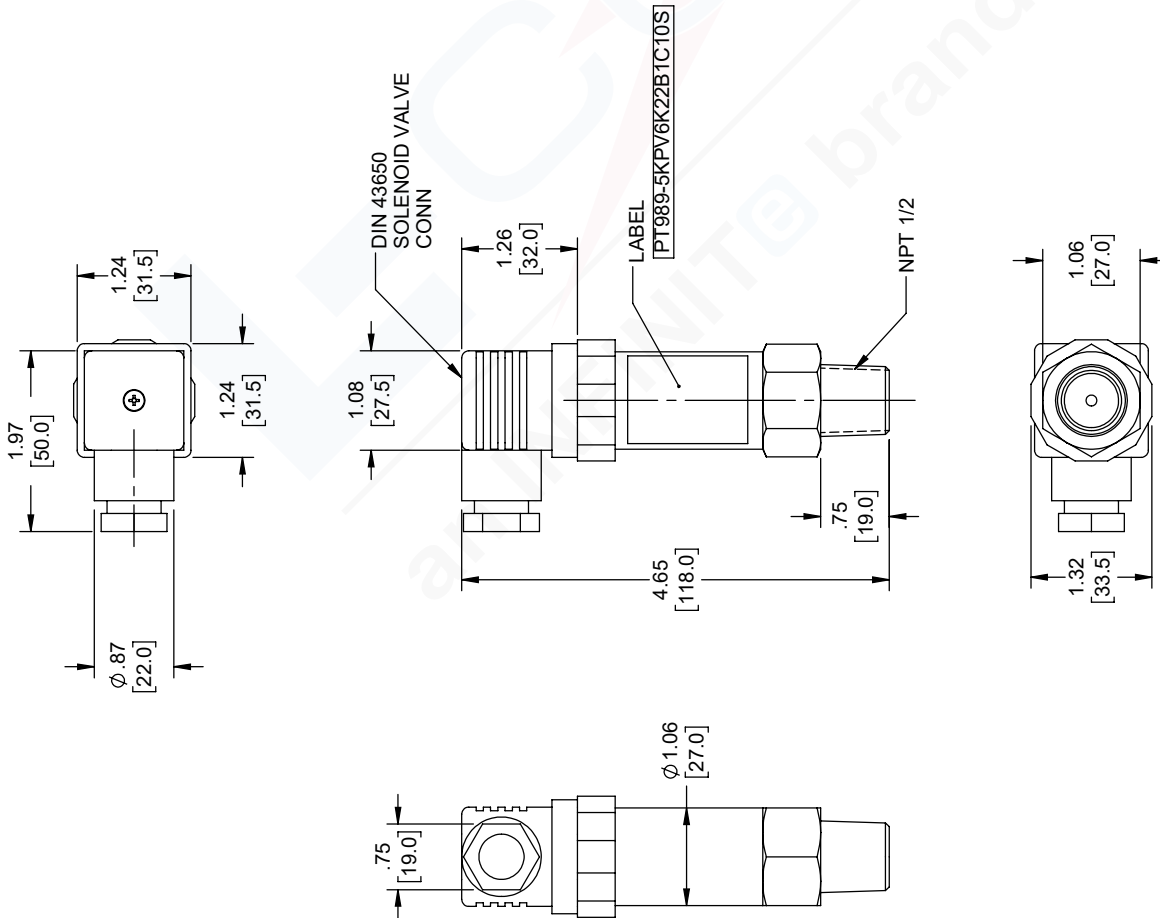
The Infinite Electronics portfolio includes coaxial cable assemblies, connectors, adapters and custom products, as well as our wireless product line which includes antennas, RF amplifiers, lightning and surge protectors, and NEMA rated enclosures.

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume any liability arising out of the use of any part or documentation.

PT989-5kPV6K22B1C10S CAD Drawing

Pressure Transmitter, 0-5,000psi, 0.5-4.5V out, 5V,
NPT1/2 M, DIN 43650, Plug, Sealed Gauge

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



| | | | |
|--|------------|--|-------|
| UNLESS OTHERWISE SPECIFIED LENGTH DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE IN MILLIMETERS | | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF L-CORP. ALL RIGHTS RESERVED. | |
| TOLERANCES: .X±.2 [5.08] FRACTIONS ± 1/32 .XX±.01 [25] ANGLES ± 1° .XXX±.005 [13] | | SHEET 1 OF 1 | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | SCALE N/A | |
| THIRD-ANGLE PROJECTION | | DRAWN BY DZINN | |
| | | PART NUMBER PT989-5KPV6K22B1C10S | |
| www.L-com.com e-mail: CustomerService@L-com.com 50 High Street, West Mill, 3rd Floor, Suite #30 North Andover, MA 01845 USA Phone: 1 800 341 5266 1 978 682 6936 Fax: 1 978 689 9484 | | REV A | |
| SIZE A | CAGE 43321 | REV N/A | REV A |

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.