

Model 89D

Military QPL Differential Pressure Transducer



Description

The Model 89 Differential Pressure Transducer has been specially designed to meet the needs of military and/or marine applications and conforms to military specification MIL-D-24304B. The Model 89 accurately measures differential pressures and transmits a fully adjustable 4 to 20 mA output signal for remote display, recording, or control.

The Model 89 is available in differential ranges from 300 inch wtr to 400 psi.

Direct Replaceability:

The Model 89D transducer is directly interchangeable with existing pressure transducers designed to MIL-D-24304B. The mounting is designed to match the footprint of existing transducers for quick and easy installation.

Minimal Maintenance:

Calibration is quick and easy with the non-interacting zero and span adjustments.

Features

- QPL approved to MIL-D-24304B
- Non-interacting zero and span adjustments for quick calibration
- Mounting interchangeable with existing instrument mounts
- Pressure connections conform to MS16142

Specifications

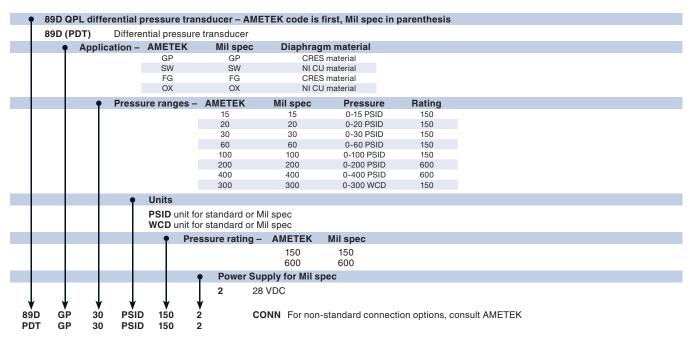
- Functional Specifications: in accordance with MIL-D-24304B
- Applications: steam, oil, sea water, flue gas, ammonia, oxygen, other gases, fresh water, condensate
- Output: 4-20 mADC
- Power Supply: 28 VDC with reverse polarity protection
- Loop Resistance: 0 to 250 ohms
- Zero/Span Adjustments: 8% full scale output
- Temperature Limits: Compensated: 0°C to 65°C (32°F to 149°F)
- Overpressure: 200% of range or maximum rated line pressure (whichever is greater)
- Humidity: 0 to 100% RH
- Volumetric Displacement: less than 0.002 cc

Performance Specifications

- Accuracy: ±1.0% of calibrated span including linearity, hysteresis, and temperature effects
- Repeatability: within 0.5% of span
- Shock Test: in accordance with Grade-A, Class I, Type C of MIL-S-901
- EMI: in accordance with MIL-D-24304B

QPL Differential Pressure Transducer

Model Numbering:



Dimensions

