# **Pressure Transmitter**

## MODEL PT303



### EXPLOSION PROOF

The Model PT303 is a strain gage pressure transmitter used to provide information on various gas turbine system pressures for both gas fuel flow control and/or turbine firing temperature control. With accuracy of  $\pm 0.25\%$ , it provides a precise pressure measurement.

The PT303 is designed for measuring pressure in explosive atmospheres (Class 1, Division 1, Groups A, B, C, & D) as part of a larger overall system. It contains an integrated signal amplifier. The PT303 pressure transmitter can be used in media temperatures up to 170°F (76.67°C). The PT303 pressure transmitter is designed for gas turbine pressure applications in hazardous locations. The heavy duty construction and wide pressure ranges offer trouble-free operation and flexibility to meet your requirements.

### FEATURES

- Accuracy ±0.25%
- Stainless steel construction
- Heavy duty construction
- Range 0 to 110 PSI through 0 to 750 PSI
- Advanced electronics design

#### BENEFITS

- Precise pressure measurement
- · Used in hostile environments
- Provides trouble-free operation
- Choice of pressure ranges



### Model PT303

1/2" NPT male thread

2X the rated pressure

## SPECIFICATIONS

#### Performance

Full Scale Pressure Range (PSI) 0-110 through 10700 PSI Accuracy includes Linearity Hysteresis & Repeatability Full Scale Output (FSO) Operating Temperature Range Temperature Effect on Zero Temperature Effect on Span

#### Electrical

Excitation

#### **Electrical Connections**

1/2" NPT(M) Conduit connection, four conductor #22 AWG 72" in length

- Red + Signal
- Black
- White

### ±0.25% FSO

4-wire 0-5 Vdc +170°F (76.7°C) maximum Range dependent Range dependent

±12 Vdc for FM approved explosion proof units 28 Vdc max.

Color

- Signal -
- + Excitation
- Green - Excitation

Function

**Proof Pressure** Materials of Construction

Housing Wetted Parts Weight FM Approvals

Mechanical **Pressure Connections** 

> Stainless steel 303/304 SST 15-5 SST 3.15 lbs.

Class 1, Division 1 Groups A, B, C & D

Model	Descriptio	Description	
PT303	Pressure T	Pressure Transmitter - Output: 0-5 Vdc	
	Code	Pressure Format	
	1.1C	0 - 110 PSI	
	1.75C	0 - 175 PSI	
	2C	0 - 200 PSI	
	2.5C	0 - 250 PSI	
	3C	0 - 300 PSI	
	4C	0 - 400 PSI	
	5C	0 - 500 PSI	
	7C	0 - 700 PSI	

Delivery: Please call for specific delivery information.



