

Differential Pressure Transducer

TD/TL Series



Description

The TD/TL Series Pressure Transducer provides accurate pressure measurement for duct static pressure, building pressurization, and other differential air flow systems.

Features

- Field-selectable range adjustments
- Two-wire 4 to 20 mA output
- Loop powered
- Spans ranging from -0.25 to $+0.25$ " WCD (Water Column Displacement) up to 0 to 3" WCD

Specifications

General

Accuracy: $\pm 1\%$ of span @ 77°F (25°C)

Linearity: $\pm 0.2\%$ FSO

Repeatability: $\pm 0.05\%$ FSO

Hysteresis: $\pm 0.025\%$ FSO

Thermal Effects: $\pm 0.06\%$ FSO/°F ($\pm 0.10\%$ FSO/°C) relative to 69°F (20°C)

Media compatibility: Non-ionic, non-corrosive gases

Environmental

Operating temperature: 32 to 122°F (0 to 50°C)

Operating humidity: 0 to 100% RH, non-condensing

Storage temperature: 14 to 176°F (-10 to 80°C)

Electrical

Supply voltage: 12 to 35 VDC

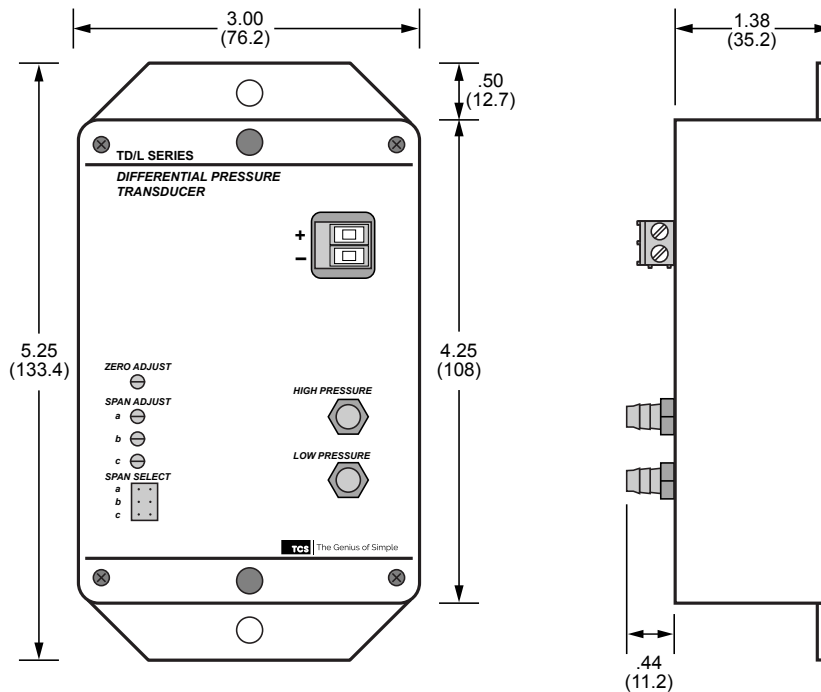
Input voltage effect: $\pm 0.001\%$ of span/volt

Output: 4 to 20 mA DC, 2-wire

Polarity protection: Diode protected

TD/TL Series Dimensions

Units in inches (mm)



Ordering Information

Part No.	Description
TD1190	Differential Pressure Transducer, 0 to 1, 2, or 3" WCD
TL1160	Differential Pressure Transducer, -0.25 to $+0.25$ " WCD, $+0.75$ " WCD or $+1.75$ " WCD

Specifications subject to change without notice.