



PRESSURE

DIFFERENTIAL PRESSURE TRANSMITTERS

T30 SERIES

DESCRIPTION

The **Modus T30 Series Differential Pressure Transmitters** are reliable, stable, low-air pressure transmitters with 4-20 mA outputs. The **T30 Series** is DC-powered. Higher ranges utilize piezo-resistive sensors. Ranges are available for 0" to 0.3" W.C. to 0" to 10" W.C.

All models may be furnished in bidirectional ranges, which will measure both positive and negative pressure differentials.

FEATURES

- **Position insensitive**
- **No moving parts to wear out**
- **Compact size**
- **Fast response time due to low internal volume**
- **Solid-state circuitry for long life**
- **Low power consumption**
- **NEMA 4 enclosure and CE certification (Models M30/40)**

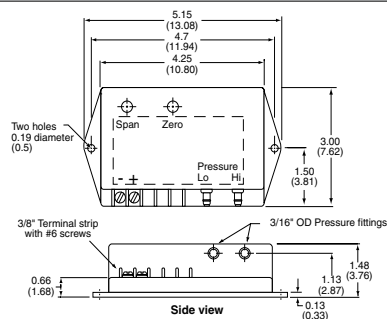


T30 Series

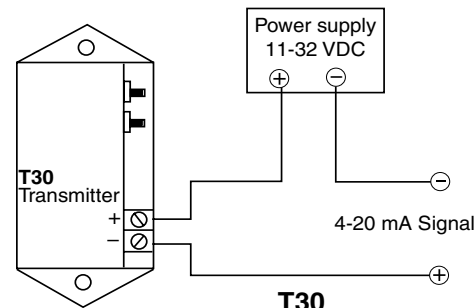
SPECIFICATIONS

Supply Voltage	11-32 VDC (protected against reversal of polarity)	Vibration Resistance	5G to 50 Hz
Supply VA	1 VA	Operating Temperature	32° to 115°F (0° to 45°C)
Signal Output	4-20 mA	Storage Temperature	-20° to 160°F (-30° to 70°C)
Maximum Output Impedance	700Ω @ 24 VDC (= 50 x VDC – 500)	Media Compatibility	Air, Inert gases
Adjustments	Zero/Span adjustments: Non-interactive adjustments by means of 20-turn potentiometers for fine resolution	Enclosure	Not rated, Flame retardant, glass-reinforced NORYL
Accuracy	1% of range (including non-linearity and hysteresis)	Process Connection	3/16" diameter suitable for 1/8" or 5/32" ID (1/4" OD) Tygon or polyurethane tubing; integral filters at both ports
Thermal Effect	Zero ±0.05%/°C; Span ±0.02%/°C	Wiring Terminations	3/8" terminals, #6 screws
Measurement Range	Up to 10" WC	Approvals	CE
		Weight	0.42 lb (0.19 kg)
		Warranty	1 year

DIMENSIONS / WIRING



T30



ORDERING INFORMATION

MODEL	DESCRIPTION
T30	Differential pressure transmitter with NEMA 1 case
004	RANGE CODE (see Table 1 to the right)
	OPTIONS (leave blank for standard unit)
B	Bidirectional (12 mA @ zero pressure)

Example: T30-004-B Differential pressure transmitter 4 mA @ -0.2" W.C., 12 mA @ 0" W.C., and 20 mA @ +0.2" W.C., 24 VAC power

Note: NIST certification options available, consult Kele

TABLE 1. RANGE			
RANGE CODE	GE MODEL	PRESSURE RANGE*	
		"W.C.	Overpressure
003	03E	0-0.3	5" W.C.
005	04E	0-0.5	5" W.C.
010	05E	0-1.0	20" W.C.
020	06E	0-2.0	20" W.C.
030	07E	0-3.0	20" W.C.
050	08E	0-5.0	5 psid
100	09E	0-10.0	5 psid

*Call Kele for higher pressure ranges or metric ranges