

NEW

The TDH40 Series
Better Accuracy, Low
Cost, OEM Pressure Transducer



SERIES: TDH40

APPLICATIONS

- Hydraulic / Mobile Hydraulic
- Pneumatic Systems
- Food and Beverage Industry
- Refrigeration Systems
- Pumps and Compressors
- Energy and water management
- Construction and Agricultural Equipment

DESCRIPTION

The TDH40 Series Pressure Transducer utilizes piezoresistance technology in an all stainless steel body. It is compact in size, has long term stability, ease of installation and is very economical as well as reliable.

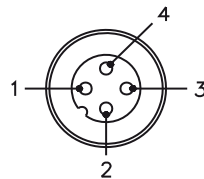
The TDH40 sets a new price-performance standard for low cost, high volume commercial and industrial applications.

FEATURES

- Vacuum to 10,000 psi Range
- Various Outputs
- Compact Design
- 316 Stainless steel Wetted Parts
- Low Cost
- Better 0.4% Accuracy
- Custom Outputs and Ranges Available
- OEM Tested and Approved

ELECTRICAL CONNECTIONS

TDH40 M12 pin assignments



Voltage outputs (Q)
pin 1 = Voltage Supply +
pin 2 = Output
pin 3 = Com
pin 4 = N/C

4-20mA output (Q2)
pin 1 = Voltage Supply +
pin 2 = N/C
pin 3 = Output
pin 4 = N/C

SPECIFICATIONS

Input

Supply Voltage	12-36 VDC
Pressure Range	Vac to 10,000 psi
Proof Pressure	1.5 x full scale
Burst Pressure	3 x full scale
Fatigue Life	More than 4 million cycles

Performance

Accuracy	0.4%
Long Term Drift	0.2% full scale
Compensated Temperatures	-10 to 75 °C (14 to 167 °F)
Operating Temperatures	-20 to 80 °C (-4 to 176 °F)
Zero and Span Offset Tolerance	0.5%

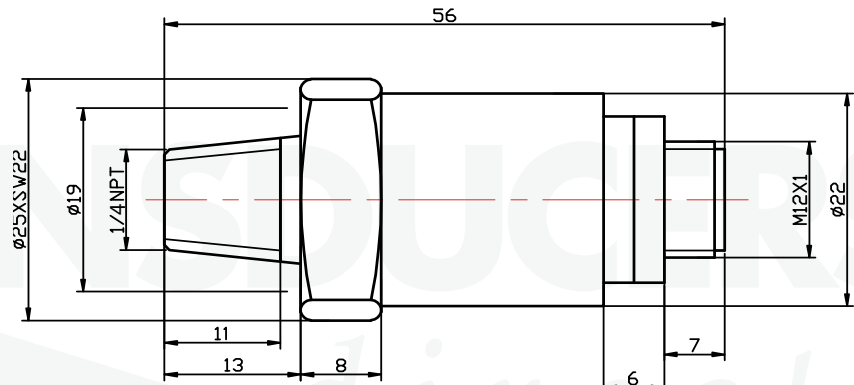
Mechanical Configuration

Pressure Port	1/4 NPT (standard) *
Electrical Connection	M12, 9.4 DIN *
Wetted Parts	316 stainless steel

Mating connectors and cable assemblies sold separately

* = Consult factory for further OEM options

Dimensions



Dimensions are in mm and for reference only

ORDERING

Series	Output	Pressure Type	Pressure Range	Pressure Port	Electrical Connection	Accuracy
TDH40	B	G	0500 psi	03	Q	5
	B= 4-20mA C= 0-5V (3 wire) H= 1-5V (3 wire) **	G = Gauge	0100 0250 0500 1000 2500 5000 **	03= 1/4" NPT Male **	Q= M12 (voltage outputs) Q2= M12 (4-20mA output) D= 4 pin Mini 9.4 DIN **	5= 0.4% **

**= Consult factory for further OEM options

Pressure ranges listed above are quick ship versions