



## The TI-150A Specifications & Description

### Product Specifications

Pressure Range .....	0 to 150 psi (Absolute)
Housing .....	Brass
Operating Temperature .....	-40°F to +248°F (-40°C to +120°C)
Proof Pressure .....	450 psi
Burst Pressure.....	1500 psi
Drop (any axis).....	1.5 m
Random Vibration (50-2000 Hz)...	11g
Input Voltage .....	5vdc
Output Voltage .....	0.5 to 4.5vdc
Connection .....	1/4" SAE female flare
Seal Material .....	Neoprene
Cable Connector .....	Packard
Length.....	20', 40', or 60'
Wire .....	Three-conductor 20 awg stranded
Shield.....	Foil shield with 25% overlap
Drain .....	Stranded tinned copper drain
Part number description when ordering (TI-150A-xx)	
xx.....	20', 40', or 60' wire length



Part # TI-150A

### Product Description

The TI-150A pressure transducer is a proven performer at a low cost. Its design is ideal for demanding HVAC and refrigeration applications where long-term reliability is a requirement. Internal components are packaged in a brass housing with a 1/4" SAE female flare fitting.

The cable is available in either 20', 40', or 60' lengths with a removable Packard connector to provide easy serviceability. The wire is sealed and crimped to the Packard connector providing a liquid tight environment and strain relief. Media compatibility: Refrigerants (freons).

The table below provides a cross reference between psi and vdc at a sensor input pin (S1) of a MCS micro controller.

### PSI to VDC Chart

PSI	S1 (vdc)	PSI	S1 (vdc)
0	0.50	80	2.62
10	0.76	90	2.89
20	1.02	100	3.16
30	1.29	110	3.42
40	1.56	120	3.69
50	1.82	130	3.96
60	2.09	140	4.23
70	2.36	150	4.50