MICRO CONTROL SYSTEMS

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The TI-150A Specifications & Description

Physical Characteristics

Pressure Range	0 to 150 psi (Absolute)
Housing	Brass
Operating Temperature	-40ºF to +248ºF (-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.

Product Specifications

PSI	S1 (vdc)
0	0.50
10	0.76
20	1.02
30	1.29
40	1.56
50	1.82
60	2.09
70	2.36
80	2.62
90	2.89

PSI	S1 (vdc)
100	3.16
110	3.42
120	3.69
130	3.96
140	4.23
150	4.50