

The TI-200F Specifications & Description

Physical Characteristics

Pressure Range	0 to 200 psi (Gage)
Housing	Brass
Operating Temperature	-40°F to +248°F (-40°C to +120°C)
Proof Pressure	600 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-200F-xx)	
xx.....	20', 40' or 60' wire length



Part # TI-200F

Product Description

The TI-200F 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)

Product Specifications

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

PSI	S1 (vdc)
0	0.50
10	0.70
20	0.90
30	1.10
40	1.30
50	1.50
60	1.70
70	1.90
80	2.10
90	2.30

PSI	S1 (vdc)
100	2.50
110	2.70
120	2.90
130	3.10
140	3.30
150	3.50
160	3.70
170	3.90
180	4.10
190	4.30