



## The MCS-200F-T-xx Specifications & Description

### Physical Characteristics

Pressure Range ..... 0 to 200 psi (Gauge)  
 Accuracy .....  $\pm 0.25\%$  of span  
 Housing ..... Stainless steel  
 Operating Temperature ..... -40°F to +221°F  
 (-40°C to +105°C)  
 Proof Pressure ..... 3 x FS  
 Burst Pressure ..... 40 x FS  
 Random Vibration ..... 40 G p-p  
 Input Voltage ..... 5vdc  
 Output Voltage ..... 0.5 to 4.5vdc  
 Connection ..... 1/4" SAE female flare

#### Cable:

Connector ..... Packard with Neoprene seal  
 Length ..... 20', 40' or 60' feet.  
 Type ..... 3-conductor, 20 awg stranded  
 Shield ..... Foil shield with 25% overlap  
 Drain ..... Stranded tinned copper drain  
 Part number description when ordering (MCS-200F-T-xx)  
 xx ..... 20' 40' or 60' wire length



Part # MCS-200F-T-xx

### Product Description

The MCS-200F-T-xx 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 stainless steel 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) and ammonia.

### Product Specifications

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

PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)
0	0.50	70	1.90	140	3.30
10	0.70	80	2.10	150	3.50
20	0.90	90	2.30	160	3.70
30	1.10	100	2.50	170	3.90
40	1.30	110	2.70	180	4.10
50	1.50	120	2.90	190	4.30
60	1.70	130	3.10		

