

MCS-200 Description & Specifications



Description

The MCS-200 pressure transducer is one of the most economic and durable options on the market for dealing with high-pressure industrial applications.

In addition to being CE and UL approved, the MCS-200 is capable of surviving high vibration. It includes a cavity built out of solid 17-4 PH stainless steel 1/4" SAE Female Flare fitting & Schrader valve; 7/16-20 UNF pipe thread which creates a leak-proof, all metal sealed system that makes the MCS-200 ideal for use with rugged HVAC environments. The MCS-200 has an output voltage of 0.5 to 4.5vdc (ratio metric) and is also overvoltageprotected in both positive and reverse polarity, which adds an extra layer of safeguard against short-circuiting caused by unpredictable power surges.

PSI	SI (vdc)
0	0.50
10	0.70
20	0.90
30	1.10
40	1.30
50	1.50
60	1.70

PSI to VDC Chart

PSI

70

80

90

100

110

120

130

SI	PSI		SI	
(vdc)			(vdc)	
1.90	14()	3.30	
2.10	150)	3.50	
2.30	160)	3.70	
2.50	17()	3.90	
2.70	180)	4.10	
2.90	190)	4.30	
3.10	200)	4.50	

Specifications

Pressure Range	
Agency ApprovalsCE, UL 508	
Proof Pressure 2 x Full Scale = 400 psi	
Burst Pressure 5 x Full Scale = 1000 psi	
Random Vibration	
Input Voltage 5vdc	
Output Voltage 0.5 to 4.5vdc (ratio metric)	
Connection 1/4" SAE Female Flare fitting &	
Schrader valve; 7/16-20 UNF thread	
Option Cable:	
Connector Packard with Neoprene seal	

ackard with Neoprene seal
20', 40' or 60' feet
-conductor, 20 awg stranded
oil shield with 25% overlap
Stranded tinned copper drain
2

Part number description when ordering (MCS-200-xx)



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.

*IP66 Rating

Able to protect against powerful water jets Water projected in powerful jets (12.5 mm nozzle) against the enclosure from any direction shall have no harmful effects. Test duration: at least 3 minutes

Water volume: 100 litres (26.42gals) per minute

Pressure: 100 kPa (14.50psi) at distance of 3 m (9.84ft)

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