MCS-200C-xx
Description & Specifications

UL873

Part # **MCS-200C-xx**

Description

The **MCS-200C** pressure transducer is specially designed for use in HVAC/refrigeration applications, in the most demanding environments, where low cost is needed yet maintaining high accuracy, long term reliability, and long life.

Features include, high accuracy, wide temperature range, refrigerant media compatibility and rugged design for outdoor use.

The MCS-200C pressure transducer is UL and RoHS compliant. It is capable of surviving high vibration. MCS-200C is a sealed gage pressure transducer ideal for outdoor environments with a cavity built out of stainless steel, ¼" 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-200C ideal for use with rugged HVAC environments using refrigerant Media.

PSI to VDC Chart

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	200	4.50

Specifications

Pressure Range	0 to 200 psi gauge
Housing	304L stainless steel
Sealing Material	Rugged seal ideal for outdoor environments
Electrical Connection	IP67
Operating Temperature	-40°C to 125°C (-40°F to 257°F)
Storage Temperature	-40°C to 150°C (-40°F to 302°F)
Accuracy	± 2% F.S. typical over -25°C to 125°C (-13°F to 257°F)
Agency Approvals	UL873, ROHS compliant
Proof Pressure	3 x Full Scale = 600 psi
Burst Pressure	3600 psi, 24.8 MPa
Vibration	11 g (50 to 2000 Hz)
Supply Voltage	5.0Vdc +-0.5, max 10 mA
Output Voltage	0.5 VDC to 4.5 VDC typical
Supply Current	8 mA max @ 5 VDC with no load
Output Current	2.5 mA max sink or source
Connection	¼" SAE Female Flare fitting & Schrader valve; 7/16-20 UNF thread

Option Cable:

Connector	Packard with Silicone seal
Length	20', 40' or 60' feet
Type	3-conductor, 20 awg stranded
Shield	Foil shield with 25% overlap
Drain	Stranded tinned copper drain

When ordering replace -xx with:

xx	20' 40' or 60' wire length

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.

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