MCS-667C-xx
Description & Specifications

UL873

Part # **MCS-667C-xx**

Description

The **MCS-667C** 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-667C pressure transducer is UL and RoHS compliant. It is capable of surviving high vibration. MCS-667C is a sealed gage pressure transducer with a cavity built out of stainless steel with a rugged sealing material for outdoor environments, 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-667C ideal for use with rugged HVAC environments using refrigerant Media.

Specifications

Pressure Range	0 to 667 psi (sealed 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 Current	8 mA max @ 5 VDC with no load
Input Current	<10 ma (0.01 amps)
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.

PSI to VDC

PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)	PSI	SI (vdc)
0	0.50	100	1.10	200	1.70	300	2.30	400	2.90	500	3.50	600	4.10
10	0.56	110	1.16	210	1.76	310	2.36	410	2.96	510	3.56	610	4.16
20	0.62	120	1.22	220	1.82	320	2.42	420	3.02	520	3.62	620	4.22
30	0.68	130	1.28	230	1.88	330	2.48	430	3.08	530	3.68	630	4.28
40	0.74	140	1.34	240	1.94	340	2.54	440	3.14	540	3.74	640	4.34
50	0.80	150	1.40	250	2.00	350	2.60	450	3.20	550	3.80	650	4.40
60	0.86	160	1.46	260	2.06	360	2.66	460	3.26	560	3.86	660	4.46
70	0.92	170	1.52	270	2.12	370	2.72	470	3.32	570	3.92	667	4.50
80	0.98	180	1.58	280	2.18	380	2.78	480	3.38	580	3.98		
90	1.04	190	1.64	290	2.24	390	2.84	490	3.44	590	4.04		

Revision - 2018-05-04

5580 Enterprise Pkwy., Fort Myers, FL 33905
Office: 239-694-0089 • Fax: 239-694-0031 www.mcscontrols.com