MICRO CONTROL SYSTEMS

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The MCS-667F-T-xx Specifications & Description

Physical Characteristics

Pressure Range ..... 0 to 667 psi (Gauge)
Accuracy..... ± 0.25% of span
Housing ..... Stainless steel
Operating Temperature ..... -40ºF to +221ºF
(-40°C to +105°C)
Proof Pressure ..... 2 x FS
Burst Pressure..... 20 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-667F-T-xx)
- xx..... 20' 40' or 60' wire length

Part # **MCS-667F-T-xx**

Product Description

The MCS-667F-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.

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.

Product Specifications

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		

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