MICRO CONTROL SYSTEMS

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The TI-667A Specifications & Description

Physical Characteristics

Pressure Range	0 to 667 psi (Absolute)
Housing	Brass
Operating Temperature	-40ºF to +248ºF (-40°C to +120°C)
Proof Pressure	1000 psi
Burst Pressure	1500 psi
Drop (any axis)	1.5 m
Random Vibration (50-2000 Hz)	11g
Input Voltage	5vdc
Output Voltage	0.5 to 4.5vdc
Connection	1/4" SAE female flare
Seal Material	Neoprene
Cable Connector	Packard
Length	20', 40', or 60'
Wire	Three-conductor 20 awg stranded
Shield	Foil shield with 25% overlap
Drain	Stranded tinned copper drain
Part number description when ordering (TI-667A-xx)	
xx	20', 40' or 60' wire length

Part # **TI-667A**

Product Description

The TI-667A 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 brass housing with a 1/4" SAE female flare fitting.

The cable is available in a 20', 40' or 60' wire length 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)

The table below provides a cross reference between psi and vdc at a sensor input pin (S1) of a MCS micro controller.

Product Specifications

PSI	S1 (vdc)	PSI	S1 (vdc)	PSI	S1 (vdc)	PSI	S1 (vdc)	PSI	S1 (vdc)	PSI	S1 (vdc)	PSI	S1 (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		