



The TI-500-AMM Specifications & Description

Physical Characteristics

Pressure Range	0 to 500 psi (Gage)
Housing	Stainless Steel
Operating Temperature	-40°F to +257°F (-40°C to +125°C)
Proof Pressure	1000 psi
Burst Pressure	1500 psi minimum
Drop (any axis)	1 m
Random Vibration (up to 1kHz)	20g rms
Input Voltage	5vdc
Output Voltage	0.5 to 4.5vdc
Connection	1/8"-27 NPT-2A male
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-500-AMM-xx)	
xx	20', 40' or 60' wire length



Part # TI-500-AMM

Product Description

The TI-500-AMM 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 1/8"-27 NPT-2A male 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: Ammonia

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)
0	0.50
10	0.58
20	0.66
30	0.74
40	0.82
50	0.90
60	0.98
70	1.06
80	1.14
90	1.22

PSI	S1 (vdc)
100	1.30
110	1.38
120	1.46
130	1.54
140	1.62
150	1.70
160	1.78
170	1.86
180	1.94
190	2.02

PSI	S1 (vdc)
200	2.10
210	2.18
220	2.26
230	2.34
240	2.42
250	2.50
260	2.58
270	2.66
280	2.74
290	2.82

PSI	S1 (vdc)
300	2.90
310	2.98
320	3.06
330	3.14
340	3.22
350	3.30
360	3.38
370	3.46
380	3.54
390	3.62

PSI	S1 (vdc)
400	3.70
410	3.78
420	3.86
430	3.94
440	4.02
450	4.10
460	4.18
470	4.26
480	4.34
490	4.42