



ATS Pressure Transducer Chart 500 PSI Rev 2

Transducer	Typical Voltage Offset	Conversion Multiplier
500 PSI	0.50 V	Voltage x 125 = PSI

The 500 PSI Pressure Transducer will convert physical pressure to a voltage reading. This voltage reading will need to be converted from voltage to pressure. The following chart converts the voltage readings into the actual pressure value.

Example: 1.3 volts x 125 = 162.50 PSI
 Zero button must be **"ON"** for readings to be valid.

0.0 V = 0.00 PSI	1.4 V = 175.00 PSI	2.8 V = 350.00 PSI
0.1 V = 12.50 PSI	1.5 V = 187.50 PSI	2.9 V = 362.50 PSI
0.2 V = 25.00 PSI	1.6 V = 200.00 PSI	3.0 V = 375.00 PSI
0.3 V = 37.50 PSI	1.7 V = 212.50 PSI	3.1 V = 387.50 PSI
0.4 V = 50.00 PSI	1.8 V = 225.00 PSI	3.2 V = 400.00 PSI
0.5 V = 62.50 PSI	1.9 V = 237.50 PSI	3.3 V = 412.50 PSI
0.6 V = 75.00 PSI	2.0 V = 250.00 PSI	3.4 V = 425.00 PSI
0.7 V = 87.50 PSI	2.1 V = 262.50 PSI	3.5 V = 437.50 PSI
0.8 V = 100.00 PSI	2.2 V = 275.00 PSI	3.6 V = 450.00 PSI
0.9 V = 112.50 PSI	2.3 V = 287.50 PSI	3.7 V = 462.50 PSI
1.0 V = 125.00 PSI	2.4 V = 300.00 PSI	3.8 V = 475.00 PSI
1.1 V = 137.50 PSI	2.5 V = 312.50 PSI	3.9 V = 487.50 PSI
1.2 V = 150.00 PSI	2.6 V = 325.00 PSI	4.0 V = 500.00 PSI
1.3 V = 162.50 PSI	2.7 V = 337.50 PSI	

WARNING! This sensor's maximum limit is 500 PSI. This limit should not be exceeded. Damage to the sensor will result. BODILY INJURY or DEATH could also result.