



ATS Pressure Transducer Chart -30" HG Rev 2

Transducer	Typical Voltage Offset	Conversion Multiplier
-30" HG	4.373 V @ sea-level	Voltage x 7.3825 = "HG

The -30" HG 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: -0.70 volts x 7.3825 = 5.17" HG

With Voltages Zeroed

0.00 V = 0.00" HG	-2.00 V = 14.77" HG
-0.10 V = 0.74" HG	-2.10 V = 15.50" HG
-0.20 V = 1.48" HG	-2.20 V = 16.24" HG
-0.30 V = 2.21" HG	-2.30 V = 16.98" HG
-0.40 V = 2.95" HG	-2.40 V = 17.72" HG
-0.50 V = 3.69" HG	-2.50 V = 18.46" HG
-0.60 V = 4.43" HG	-2.60 V = 19.19" HG
-0.70 V = 5.17" HG	-2.70 V = 19.93" HG
-0.80 V = 5.91" HG	-2.80 V = 20.67" HG
-0.90 V = 6.64" HG	-2.90 V = 21.41" HG
-1.00 V = 7.38" HG	-3.00 V = 22.15" HG
-1.10 V = 8.12" HG	-3.10 V = 22.89" HG
-1.20 V = 8.86" HG	-3.20 V = 23.62" HG
-1.30 V = 9.60" HG	-3.30 V = 24.36" HG
-1.40 V = 10.34" HG	-3.40 V = 25.10" HG
-1.50 V = 11.07" HG	-3.50 V = 25.84" HG
-1.60 V = 11.81" HG	-3.60 V = 26.58" HG
-1.70 V = 12.55" HG	-3.70 V = 27.32" HG
-1.80 V = 13.29" HG	-3.80 V = 28.05" HG
-1.90 V = 14.03" HG	-3.90 V = 28.79" HG
	-4.00 V = 29.53" HG

Without Voltages Zeroed

4.00 V = 0.00" HG	2.00 V = 14.77" HG
3.90 V = 0.74" HG	1.90 V = 15.50" HG
3.80 V = 1.48" HG	1.80 V = 16.24" HG
3.70 V = 2.21" HG	1.70 V = 16.98" HG
3.60 V = 2.95" HG	1.60 V = 17.72" HG
3.50 V = 3.69" HG	1.50 V = 18.46" HG
3.40 V = 4.43" HG	1.40 V = 19.19" HG
3.30 V = 5.17" HG	1.30 V = 19.93" HG
3.20 V = 5.91" HG	1.20 V = 20.67" HG
3.10 V = 6.64" HG	1.10 V = 21.41" HG
3.00 V = 7.38" HG	1.00 V = 22.15" HG
2.90 V = 8.12" HG	0.90 V = 22.89" HG
2.80 V = 8.86" HG	0.80 V = 23.62" HG
2.70 V = 9.60" HG	0.70 V = 24.36" HG
2.60 V = 10.34" HG	0.60 V = 25.10" HG
2.50 V = 11.07" HG	0.50 V = 25.84" HG
2.40 V = 11.81" HG	0.40 V = 26.58" HG
2.30 V = 12.55" HG	0.30 V = 27.32" HG
2.20 V = 13.29" HG	0.20 V = 28.05" HG
2.10 V = 14.03" HG	0.10 V = 28.79" HG
	0.00 V = 29.53" HG

WARNING! This sensor's maximum limit is -30" HG. This limit should not be exceeded. Damage to the sensor will result. BODILY INJURY or DEATH could also result.