

PSI PRESSURE SENSOR **VOLTAGE CHART** — 15 TO 150 PSI

Output voltage vs pressure for Online Motorsports **0.5–4.5 V** stainless pressure sensors (5 V supply, GT150 Packard connector). Output is linear: **PSI = (Volts – 0.5) × Range ÷ 4**. e.g. a 0–150 PSI sensor reading 2.50 V = $(2.50 - 0.5) \times 150 \div 4 = 75$ PSI.

Fittings available: **1/8" NPT** **AN4 Female** **AN4 Male** Custom threads and pressure ranges available on request.

0–15 PSI		0–25 PSI		0–50 PSI	
1/8" NPT		1/8" NPT		1/8" NPT	
VOLTS	PSI	VOLTS	PSI	VOLTS	PSI
0.50	0.0	0.50	0.0	0.50	0.0
0.77	1.0	0.77	1.7	0.77	3.3
1.03	2.0	1.03	3.3	1.03	6.7
1.30	3.0	1.30	5.0	1.30	10.0
1.57	4.0	1.57	6.7	1.57	13.3
1.83	5.0	1.83	8.3	1.83	16.7
2.10	6.0	2.10	10.0	2.10	20.0
2.37	7.0	2.37	11.7	2.37	23.3
2.63	8.0	2.63	13.3	2.63	26.7
2.90	9.0	2.90	15.0	2.90	30.0
3.17	10.0	3.17	16.7	3.17	33.3
3.43	11.0	3.43	18.3	3.43	36.7
3.70	12.0	3.70	20.0	3.70	40.0
3.97	13.0	3.97	21.7	3.97	43.3
4.23	14.0	4.23	23.3	4.23	46.7
4.50	15.0	4.50	25.0	4.50	50.0

0–75 PSI		0–100 PSI		0–150 PSI	
1/8" NPT		1/8" NPT		1/8" NPT	AN4 Female AN4 Male
VOLTS	PSI	VOLTS	PSI	VOLTS	PSI
0.50	0.0	0.50	0.0	0.50	0.0
0.77	5.0	0.77	6.7	0.77	10.0
1.03	10.0	1.03	13.3	1.03	20.0
1.30	15.0	1.30	20.0	1.30	30.0
1.57	20.0	1.57	26.7	1.57	40.0
1.83	25.0	1.83	33.3	1.83	50.0
2.10	30.0	2.10	40.0	2.10	60.0
2.37	35.0	2.37	46.7	2.37	70.0
2.63	40.0	2.63	53.3	2.63	80.0
2.90	45.0	2.90	60.0	2.90	90.0
3.17	50.0	3.17	66.7	3.17	100.0
3.43	55.0	3.43	73.3	3.43	110.0
3.70	60.0	3.70	80.0	3.70	120.0
3.97	65.0	3.97	86.7	3.97	130.0
4.23	70.0	4.23	93.3	4.23	140.0
4.50	75.0	4.50	100.0	4.50	150.0

QUICK SETUP

1 Mount

Use a flexible hose — never on the block, rail or pump.

2 Seal

NPT: thread sealant, snug only. AN4: seals on the flare, no sealant.

3 Wire

Pin 1 ground, pin 2 +5 V, pin 3 signal — see pinout on page 2.

4 Calibrate

Refer to your ECU or data logger instructions on how to calibrate your system.

HIGH PRESSURE SENSOR **VOLTAGE CHART** — 200 TO 5000 PSI

Output is linear: $\text{PSI} = (\text{Volts} - 0.5) \times \text{Range} \div 4$. 5 V supply, 0.5–4.5 V output.

Fittings available: **1/8" NPT** **AN4 Female** **AN4 Male** Custom threads and pressure ranges available on request.

0–200 PSI	
1/8" NPT	
VOLTS	PSI
0.50	0.0
0.77	13.3
1.03	26.7
1.30	40.0
1.57	53.3
1.83	66.7
2.10	80.0
2.37	93.3
2.63	106.7
2.90	120.0
3.17	133.3
3.43	146.7
3.70	160.0
3.97	173.3
4.23	186.7
4.50	200.0

0–300 PSI	
1/8" NPT AN4 Female AN4 Male	
VOLTS	PSI
0.50	0.0
0.77	20.0
1.03	40.0
1.30	60.0
1.57	80.0
1.83	100.0
2.10	120.0
2.37	140.0
2.63	160.0
2.90	180.0
3.17	200.0
3.43	220.0
3.70	240.0
3.97	260.0
4.23	280.0
4.50	300.0

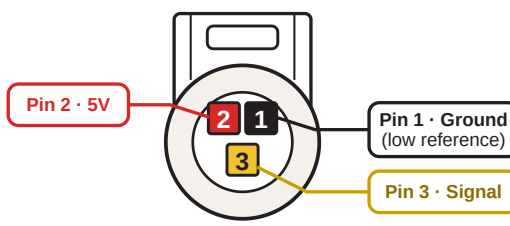
0–500 PSI	
1/8" NPT	
VOLTS	PSI
0.50	0.0
0.77	33.3
1.03	66.7
1.30	100.0
1.57	133.3
1.83	166.7
2.10	200.0
2.37	233.3
2.63	266.7
2.90	300.0
3.17	333.3
3.43	366.7
3.70	400.0
3.97	433.3
4.23	466.7
4.50	500.0

0–1,600 PSI	
1/8" NPT AN4 Female AN4 Male	
VOLTS	PSI
0.50	0.0
0.77	106.7
1.03	213.3
1.30	320.0
1.57	426.7
1.83	533.3
2.10	640.0
2.37	746.7
2.63	853.3
2.90	960.0
3.17	1,066.7
3.43	1,173.3
3.70	1,280.0
3.97	1,386.7
4.23	1,493.3
4.50	1,600.0

0–3,000 PSI	
1/8" NPT	
VOLTS	PSI
0.50	0.0
0.77	200.0
1.03	400.0
1.30	600.0
1.57	800.0
1.83	1,000.0
2.10	1,200.0
2.37	1,400.0
2.63	1,600.0
2.90	1,800.0
3.17	2,000.0
3.43	2,200.0
3.70	2,400.0
3.97	2,600.0
4.23	2,800.0
4.50	3,000.0

0–5,000 PSI	
1/8" NPT AN4 Female	
VOLTS	PSI
0.50	0.0
0.77	333.3
1.03	666.7
1.30	1,000.0
1.57	1,333.3
1.83	1,666.7
2.10	2,000.0
2.37	2,333.3
2.63	2,666.7
2.90	3,000.0
3.17	3,333.3
3.43	3,666.7
3.70	4,000.0
3.97	4,333.3
4.23	4,666.7
4.50	5,000.0

View looking into FRONT of connector



Pin 2 · 5V

Pin 1 · Ground (low reference)

Pin 3 · Signal

Front



Rear (wire side)



CONNECTOR PINOUT
GT150 Packard, 3-pin

PIN	FUNCTION	CABLE
1	Sensor ground	● Black
2	+5 V supply	● Red
3	Signal 0.5–4.5 V	● Yellow

Pre-made cables with 90° boot available in 1.5 m, 2 m & 4 m

Important: use the ECU/logger sensor ground — **not** chassis ground.