



0-5V PRESSURE SENSORS

30-2130-30	30 PSla (2 Bar) sensor
30-2130-50	50 PSla (3.5 Bar) sensor
30-2130-75	75 PSla (5 Bar) sensor
30-2130-100	100 PSIg sensor
30-2130-150	150 PSIg sensor
30-2130-500	500 PSIg sensor
30-2130-1000	1,000 PSIg sensor
30-2130-2000	2,000 PSIg sensor



WARNING:

This installation is not for the mechanically or electrically challenged! If you are not mechanically or electrically inclined or do not understand the procedure please do not attempt the installation. Refer the installation to a reputable mechanic.

This product is legal in California for racing vehicles only and should never be used on public highways.

**For Technical Inquiries
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Instruction Part Number: 10-2130
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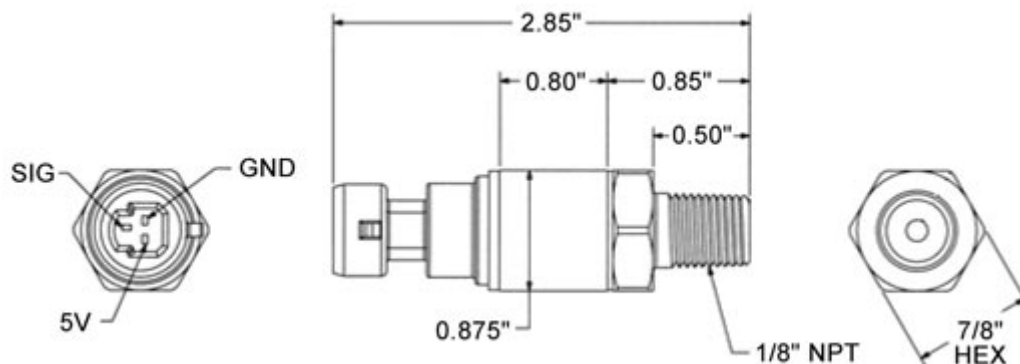
The model **30-2130-XXX** family of pressure transducers are manufactured for AEM by SSI Technologies in it's ISO 9001 facility and is specifically designed for pressure measurements in automotive systems. The transducer utilizes ceramic capacitive sensing technology which operates on 5 Vdc and has an amplified, linear output. The connection is a 1/8" Male NPT. Every pressure sensor is tested for specification conformance prior to shipment.

The 30-2130-XXX Kits Contain:

30-2130-30	30 PSia (2 Bar) sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-50	50 PSia (3.5 Bar) sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-75	75 PSia (5 Bar) sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-100	100 PSig sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter
30-2130-150	150 PSig sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter
30-2130-500	500 PSig sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter
30-2130-1000	1,000 PSig sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter
30-2130-2000	2,000 PSig sensor, Mating Connector Assy, 1/8 NPT to —4 Adapter

PERFORMANCE SPECIFICATIONS:

Accuracy:	<0.50% Full Scale
Temp Drift:	<0.50% Full Scale
Stability:	<0.25% Full Scale/Year
Operating Temp:	-40C to 105C
Burst Pressure:	5 x Full Scale
Response Time:	< 1mS
Wetted Materials:	304L & 316L Stainless Steel
Vibration:	20G's peak to peak sinusoidal
Weight:	<85g
Supply Current:	5mA MAX. at 5 Vdc
Elec. Termination:	Integral weatherproof connector, includes mating connector with 12" leads, 1Red (Supply Voltage, 4.7-7.0 Vdc), Black (Ground), Green (Output)



Voltage	30-2130-30	30-2130-50	30-2130-75	30-2130-100	30-2130-150	30-2130-500	30-2130-1000	30-2130-2000
Output	0-30 PSla	0-50 PSla	0-75 PSla	0-100 PSlg	0-150 PSlg	0-500 PSlg	0-1,000 PSlg	0-2,000 PSlg
0.50	-14.70	-14.70	-14.70	0.00	0.00	0.00	0	0
0.60	-13.95	-13.45	-12.83	2.50	3.75	12.50	25	50
0.70	-13.20	-12.20	-10.95	5.00	7.50	25.00	50	100
0.80	-12.45	-10.95	-9.08	7.50	11.25	37.50	75	150
0.90	-11.70	-9.70	-7.20	10.00	15.00	50.00	100	200
1.00	-10.95	-8.45	-5.33	12.50	18.75	62.50	125	250
1.10	-10.20	-7.20	-3.45	15.00	22.50	75.00	150	300
1.20	-9.45	-5.95	-1.58	17.50	26.25	87.50	175	350
1.30	-8.70	-4.70	0.30	20.00	30.00	100.00	200	400
1.40	-7.95	-3.45	2.18	22.50	33.75	112.50	225	450
1.50	-7.20	-2.20	4.05	25.00	37.50	125.00	250	500
1.60	-6.45	-0.95	5.93	27.50	41.25	137.50	275	550
1.70	-5.70	0.30	7.80	30.00	45.00	150.00	300	600
1.80	-4.95	1.55	9.68	32.50	48.75	162.50	325	650
1.90	-4.20	2.80	11.55	35.00	52.50	175.00	350	700
2.00	-3.45	4.05	13.43	37.50	56.25	187.50	375	750
2.10	-2.70	5.30	15.30	40.00	60.00	200.00	400	800
2.20	-1.95	6.55	17.18	42.50	63.75	212.50	425	850
2.30	-1.20	7.80	19.05	45.00	67.50	225.00	450	900
2.40	-0.45	9.05	20.93	47.50	71.25	237.50	475	950
2.50	0.30	10.30	22.80	50.00	75.00	250.00	500	1,000
2.60	1.05	11.55	24.68	52.50	78.75	262.50	525	1,050
2.70	1.80	12.80	26.55	55.00	82.50	275.00	550	1,100
2.80	2.55	14.05	28.43	57.50	86.25	287.50	575	1,150
2.90	3.30	15.30	30.30	60.00	90.00	300.00	600	1,200
3.00	4.05	16.55	32.18	62.50	93.75	312.50	625	1,250
3.10	4.80	17.80	34.05	65.00	97.50	325.00	650	1,300
3.20	5.55	19.05	35.93	67.50	101.25	337.50	675	1,350
3.30	6.30	20.30	37.80	70.00	105.00	350.00	700	1,400
3.40	7.05	21.55	39.68	72.50	108.75	362.50	725	1,450
3.50	7.80	22.80	41.55	75.00	112.50	375.00	750	1,500
3.60	8.55	24.05	43.43	77.50	116.25	387.50	775	1,550
3.70	9.30	25.30	45.30	80.00	120.00	400.00	800	1,600
3.80	10.05	26.55	47.18	82.50	123.75	412.50	825	1,650
3.90	10.80	27.80	49.05	85.00	127.50	425.00	850	1,700
4.00	11.55	29.05	50.93	87.50	131.25	437.50	875	1,750
4.10	12.30	30.30	52.80	90.00	135.00	450.00	900	1,800
4.20	13.05	31.55	54.68	92.50	138.75	462.50	925	1,850
4.30	13.80	32.80	56.55	95.00	142.50	475.00	950	1,900
4.40	14.55	34.05	58.43	97.50	146.25	487.50	975	1,950
4.50	15.30	35.30	60.30	100.00	150.00	500.00	1,000	2,000