



PRESSURE SENSORS

AEM P/N 30-2130-XXX

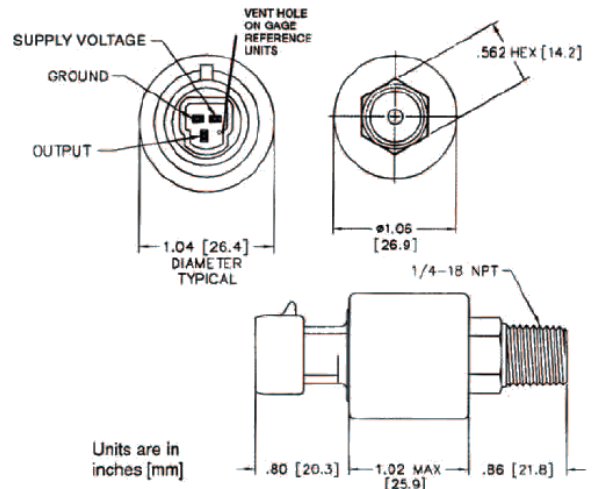
The model 30-2130-XXX family of pressure transducers are manufactured for AEM in an ISO 9001 facility and is specifically designed for pressure measurements in automotive systems. The transducer utilizes ceramic capacitive sensing technology which operates on 5 Vdc and has an amplified, linear output. 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:

30-2130-15	15 PSla (1 Bar) sensor, Mating Connector Assy, 1/8 NPT to -4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-30	30 PSla (2 Bar) sensor, Mating Connector Assy, 1/8 NPT to -4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-50	50 PSla (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 PSla (5 Bar) sensor, Mating Connector Assy, 1/8 NPT to -4 Adapter, 1/8 NPT to 3/16 Barb Adapter
30-2130-7B	100 PSla (7 Bar) sensor, Mating Connector Assy, 1/8 NPT to -4 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:

Linearity:	+/- 0.5% Span MAX
Temp Error -20/+100C:	+/- 2% Span
Ratiometricity:	+/- .05% Span
Operating Temp:	-40C to 105C
Burst Pressure:	5 x Full Scale
Response Time:	< 1mS
Wetted Materials:	316L Stainless Steel
Vibration:	10G's peak to peak
Weight:	3.0 oz
Supply Current:	4mA MAX. at 5 Vdc



Elec. Termination please reference your EMS instructions/pin out sheet:

Integral weatherproof connector includes mating connector with 12" leads connection is as follows:

- Red wire** Do not remove the existing pin tap into +5v reference pin.
- Black wire** Do not remove the existing pin tap into Sensor Ground pin not chassis ground.
- Green/White wire** Remove existing pin tap into Map signal pin - MAP VOLTS parameter in AEMpro should reference the chart below.

VOLTAGE OUTPUT

Voltage	30-2130-15	30-2130-30	30-2130-50	30-2130-75	30-2130-7B	30-2130-100	30-2130-150	30-2130-500	30-2130-1000	30-2130-2000
Range	0-15 PSla	0-30 PSla	0-50 PSla	0-75 PSla	0-100 PSla	0-100 PSIg	0-150 PSIg	0-500 PSIg	0-1,000 PSIg	0-2,000 PSIg
0.5	-14.7	-14.7	-14.7	-14.7	-14.7	0	0	0	0	0
0.75	-13.763	-12.825	-11.575	-10.013	-8.45	6.25	9.375	31.25	62.5	125
1	-12.825	-10.95	-8.45	-5.325	-2.2	12.5	18.75	62.5	125	250
1.25	-11.888	-9.075	-5.325	-0.637	4.05	18.75	28.125	93.75	187.5	375
1.5	-10.95	-7.2	-2.2	4.05	10.3	25	37.5	125	250	500
1.75	-10.013	-5.325	0.925	8.738	16.55	31.25	46.875	156.25	312.5	625
2	-9.075	-3.45	4.05	13.425	22.8	37.5	56.25	187.5	375	750
2.25	-8.138	-1.575	7.175	18.113	29.05	43.75	65.625	218.75	437.5	875
2.5	-7.2	0.3	10.3	22.8	35.3	50	75	250	500	1000
2.75	-6.263	2.175	13.425	27.488	41.55	56.25	84.375	281.25	562.5	1125
3	-5.325	4.05	16.55	32.175	47.8	62.5	93.75	312.5	625	1250
3.25	-4.388	5.925	19.675	36.863	54.05	68.75	103.125	343.75	687.5	1375
3.5	-3.45	7.8	22.8	41.55	60.3	75	112.5	375	750	1500
3.75	-2.513	9.675	25.925	46.238	66.55	81.25	121.875	406.25	812.5	1625
4	-1.575	11.55	29.05	50.925	72.8	87.5	131.25	437.5	875	1750
4.25	-0.637	13.425	32.175	55.613	79.05	93.75	140.625	468.75	937.5	1875
4.5	0.3	15.3	35.3	60.3	85.3	100	150	500	1000	2000

ADVANCED ENGINE MANAGEMENT INC.

This product is legal in California for racing vehicles only and should never be used on public highways.
 Advanced Engine Management, 2205 126th Street Unit A Hawthorne, CA. 90250, Phone: (310) 484-2322 Fax: (310) 484-0152
 Instruction Part Number: 10-2130, © 2008 Advanced Engine Management, Inc.

AEM Electronics Warranty

Advanced Engine Management Inc. warrants to the consumer that all AEM Electronics products will be free from defects in material and workmanship for a period of twelve months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced when determined by AEM that the product failed due to defects in material or workmanship. This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is non-transferable. All implied warranties shall be limited in duration to the said 12-month warranty period. Improper use or installation, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Product must be received by AEM within 30 days of the date the RMA is issued.

Please note that before AEM can issue an RMA for any electronic product, it is first necessary for the installer or end user to contact the tech line at 1-800-423-0046 to discuss the problem. Most issues can be resolved over the phone. Under no circumstances should a system be returned or a RMA requested before the above process transpires.

AEM will not be responsible for electronic products that are installed incorrectly, installed in a non approved application, misused, or tampered with.

Any AEM electronics product can be returned for repair if it is out of the warranty period. There is a minimum charge of \$50.00 for inspection and diagnosis of AEM electronic parts. Parts used in the repair of AEM electronic components will be extra. AEM will provide an estimate of repairs and receive written or electronic authorization before repairs are made to the product.