

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

Description

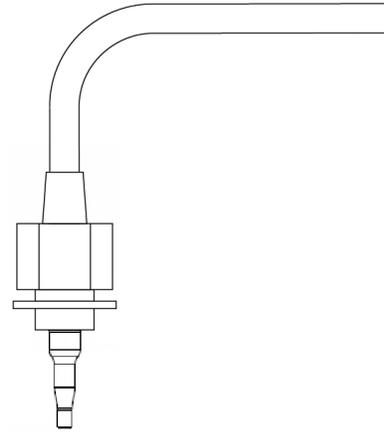
This RTD-style EGT sensor is specifically designed to monitor high temperature environments in automotive applications.

Kit Contents

- 30-2052 RTD EGT sensor
- 1-3081 Collar

Specifications

Temperature Range	-40°C to 850°C
Protective Tube Material	Inconel 601
Sensor Thread	M14x1.5
Sensor Element	Thin film platinum
Nominal Resistance of Element	200 Ω at 0°C
Accuracy	±2.5°C from -40°C to 280°C ±0.9% from 280°C to 850°C
Response Time T63	<11 seconds at 300°C, air velocity of 11m/s <6.5 seconds at 300°C, air velocity of 70m/s



Device Pinout



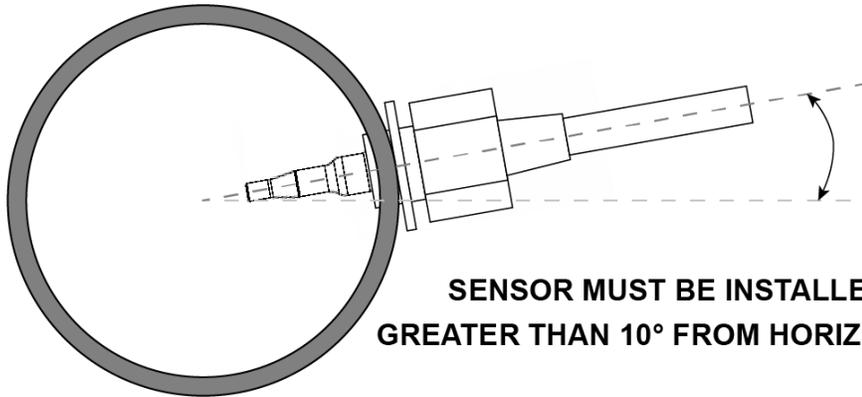
DTM06-2S WIRE ENTRY SIDE
1: GREY - SIGNAL
2: WHITE - GROUND

Characteristic Curve

Temp	0°C	100°C	200°C	300°C	400°C	500°C	600°C	700°C	800°C	850°C
Ohms	201	276	350	419	489	555	618	680	739	767

Installation Recommendations

- Location Selection
 - Turbocharged Engines: 1.5" upstream of the turbine inlet.
 - Naturally Aspirated Engines: 1.5" downstream of the collector or end of exhaust manifold.
- Sensor Orientation
 - To prevent collection of liquids between the sensor housing and sensor element during the cold start phase, the installation angle should be inclined at least 10° from horizontal with the electrical connection upwards, see image below.



**SENSOR MUST BE INSTALLED
GREATER THAN 10° FROM HORIZONTAL**



USER INSTRUCTIONS

30-2052 RTD EGT Sensor Kit

10-2052
6/26/2019

Warranty Statement

Advanced Engine Management Inc. warrants to the consumer that all AEM High Performance products will be free from defects in material and workmanship for a period of twelve (12) months from date of the original purchase. Products that fail within this 12-month warranty period will be repaired or replaced at AEM's option, 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. UEGO oxygen sensors are considered wear items and are not covered under warranty. 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 EMS 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.