



K-Type Mini Thermocouple

The model **30-2051 K-Type Mini Thermocouple** is designed for intake and exhaust gas temperature measurements. The exposed tip design offers ultra-fast response and it's small size allows easy mounting in even the tightest spaces.



The thermocouple is within a 5x0.8 mm bolt with 15 mm threads, The exposed junction is potted with high temperature ceramic. The strain relief spring protects the 24 AWG stranded wire with the additional protection of a stainless steel over braid. The connection is made via the molded on mini connector.

WARNING!! DO NOT OVERTIGHTEN THE LOCKNUT! IT CAN SPLIT THE SENSOR BODY IF IT IS TORQUED TO MUCH!

Housing Material: Stainless Steel M5x0.8 thread (Max Torque is 20 in-lbs!!!)
Elec. Termination: Integral mini thermocouple connector

Wiring: While the wiring appears to be simple, the polarity of the unit and the wire used is critical! Only K-Type thermocouple wire may be used and you must, repeat **MUST!** follow the wire manufacturers polarity instructions when extending the wire.

EMS: The thermocouple output is Standard K Type. To hook this up to a 0-5 volt analog input, you must use a thermocouple amplifier. The AEM 30-2204, 4 Channel T/C amp is a high accuracy, low priced amplifier and is available from your AEM dealer.

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Instruction Part Number: 10-2051
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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.