

Notes: technical documentation, dimensions and pinout of EGT with KF 2010
homologation – Version 1.00



1 – Introduction

AIM loggers can measure exhaust gas temperature using a sensor (thermocouple) placed in the exhaust header pipe. **All AIM thermocouples are K type sensors.**

Warning:
this EGT has been designed specifically for KF 2010 homologated exhaust pipes.

2 – Installation notes

Exhaust gas sensor (or EGT) with KF 2010 homologation should be positioned in the dedicated area at the end of the pipe.

Images here below shows the steps to follow to correctly install the EGT sensor.



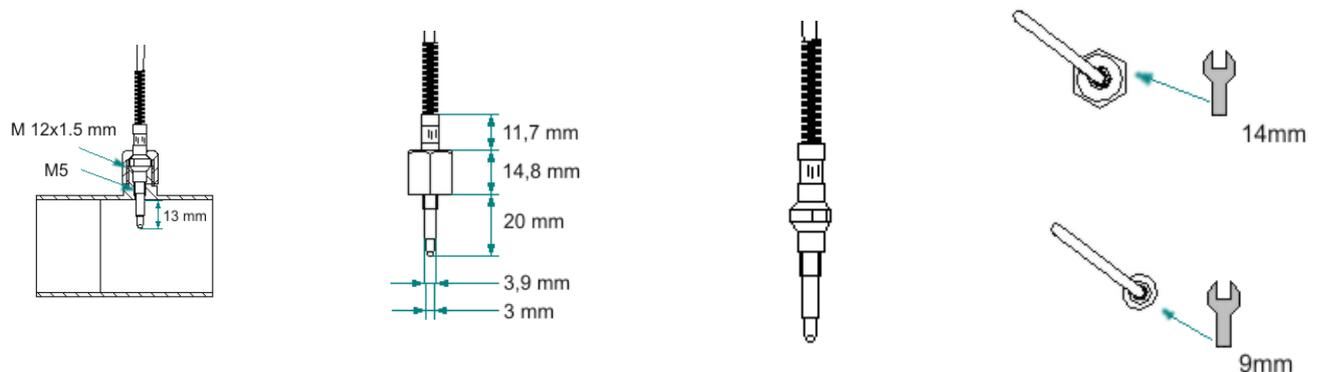
- make a hole in the header pipe with a 4 mm (0.157 inches) point: be careful not to damage the internal thread (left image);
- screw the EGT with a 9 mm adjustable wrench (central image)
- tighten the nut with a 14 mm adjustable wrench (right image).

Warning: when running the thermocouple cable along the chassis be careful and keep it as far as possible from other cables (like RPM cable or lap receiver one) so to minimize their interferences.

3 – Part numbers

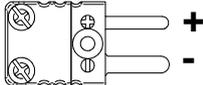
EGT sensor with KF 2010 homologation, M5 thread part number is: **3CVGAS807T12**

4 – Dimensions, pinout and technical characteristics



Below drawings show starting from the first on the left: EGT installation, its dimensions, a detail of the probe and the adjustable wrench to be used to tighten the EGT and the nut.

4.1 – Pinout

EGT connector pinout	
Pin	Function
+	Temperature signal 0-50 mV
-	GND
	
Male Mignon connector pinout Top lateral view	

4.2 – Technical Characteristics

Exhaust Gas Thermocouple	
General characteristics	Value
Temperature working range	0 – 1000°C [32-1832° F]
Cable length	250 mm [9.8"]
Cable type	Compensated

Note 1: EGT thermocouple comes with a 250 mm compensated cable that ends with a male mignon connector.

Note 2: extension cables standard 0,5 m, 1m e 1,5m lengths are available but on demand specific lengths can be supplied.