

THERMOCOUPLE

EXHAUST GAS



This sensor uses a K type Chromel/Alumel thermocouple and is intended for use in high temperature, high vibration environments. Control units and data loggers support K type thermocouples. The sensor is short and compact to minimise its susceptibility to vibration.

Please request our installation datasheet for further details.

Electrical

- K type DIN 43710
- Measurement range 0 to 1200 °C

Cable and Connection Definition

- 24AWG un-screened cable using K type materials
- Cable length is shown on the order details
- Various automotive and military standard connectors are available
- Connection

Green wire	Pin A	Pin 1	Signal+
White wire	Pin B	Pin 2	Signal-

Design and manufacture is in-house, so if our existing designs do not suit your application, we can provide cost effective customised parts to suit even the most demanding application. No engineering charges are made for simple modifications such as customer specific connectors, cable protection and cable lengths. Please contact our technical consultancy service who will be pleased to help.

Application

- Exhaust gas temperature measurement

Mechanical

- Stainless Steel body
- Measurement point 1.5mm from tip of probe
- Weight specified in ordercode details
- Viton boot for strain relief to the sensor body

Environmental

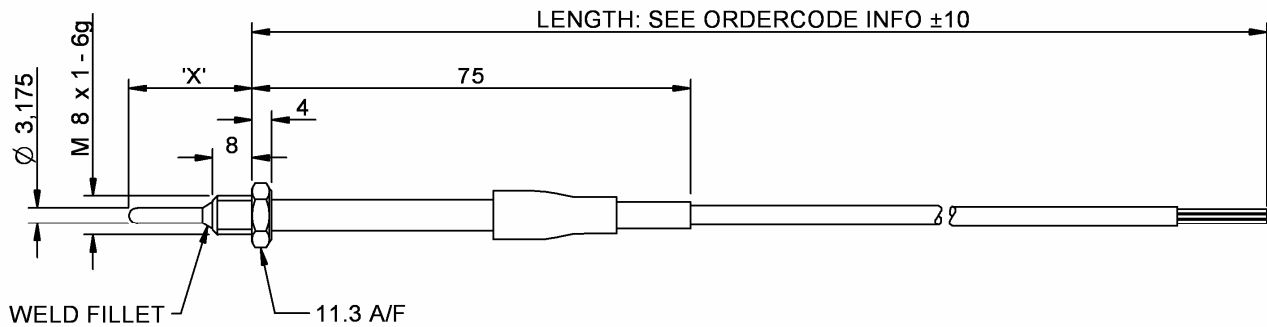
- Resistant to standard motorsport fluids
- Maximum humidity 100%
- Continuous operating temperature

Probe	0 to 1200 °C
Cable	-10 to +200 °C
- Maximum short term operating temperature

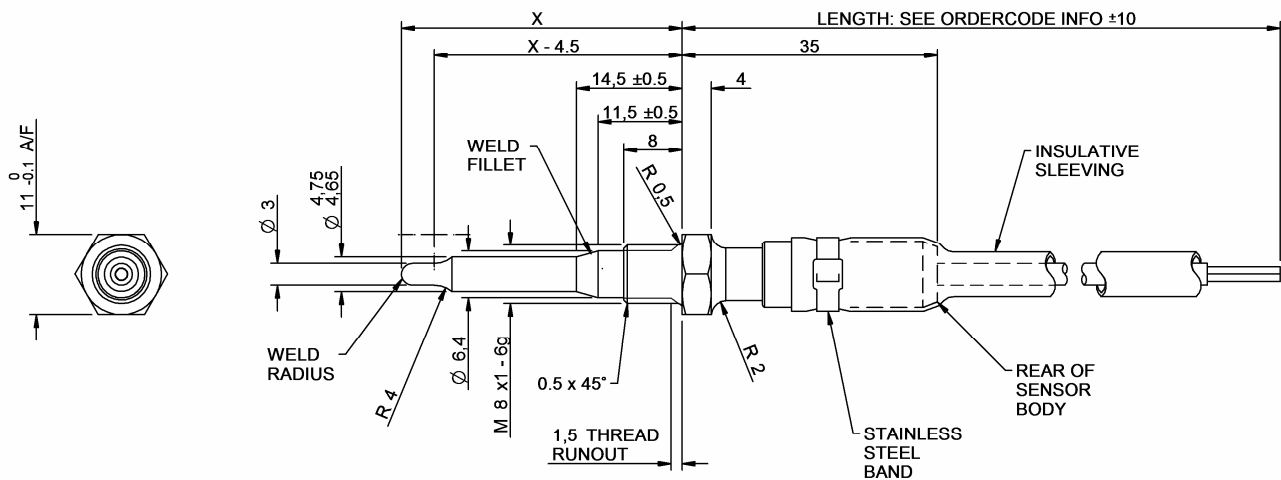
Probe	+1300 °C
Cable	+250 °C
- Vibration 50 to 2500Hz @ 40g 8hrs per axis

21/06/07

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Cable Length	Cable sleeving	Dim "X"	Weight	Order Code
500mm	Viton	25mm	30g	O 030 300 002 000
Temperature is measured 1.5mm from the tip of the sensor.				



Cable Length	Cable sleeving	Weight	Dimension "X"	Order Code
1000mm	Textalu 1202	50g	63mm	O 030 300 002 006
1000mm	Textalu 1202	50g	38.5mm	O 030 300 002 011
Temperature is measured 1.5mm from the tip of the sensor.				

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