

DELIVERING EXCELLENCE

IAE V2500 EGT Thermocouple

FEATURES

- OEM Qualified/Certified
- K Type, Class 1 Thermocouple
- 6 measurement points (total) taken at 3 different depths
- 2 output signals via 4 precision terminal studs
- Corrosion Resistant
- Environmentally Sealed
- Matched DC resistance between elements for greater accuracy

BENEFITS

- Over 80 million flying hours
- High accuracy
- Low drift (stable accuracy)
- Fast response time
- Light weight design
- Robust high torque terminals
- Reliable and long life
- Proven technology with over 30 years of pedigree

APPLICATIONS

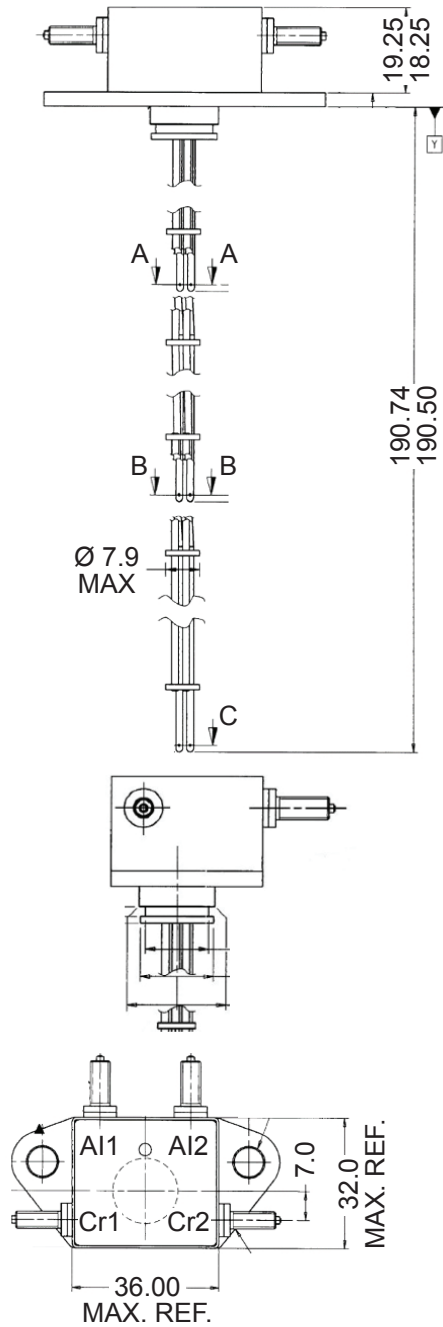
- Exhaust Gas Temperature
- Measurement on IAE V2500



■ Auxitrol Weston's 792-6-20 thermocouple probe is certified for use on the IAE V2500 Engine. Auxitrol Weston are the original supplier of EGT probes for this engine and designed / developed the probe in conjunction with IAE. These probes have been qualified and used on Engine for over 30 years accumulating over 80 million flying hours

■ The immersed section is manufactured from high temperature oxidation and corrosion resistant materials. The element (Mineral Insulated Cable) sheath material also has a very well balanced ion match; this achieves exceptional long term stability and maintains accuracy after extensive thermal cycling

■ High accuracy is achieved by the use of Class 1 Type K thermocouple materials for the entire circuit, with optimum response time (time constant) achieved using small diameter elements and a large unsupported L/D ratio



Typical Performance Specification

Temperature	-65 to +1000°C sensing end / +600°C head
Accuracy	Typically ±0.75%
Vibration	Up to 40g input
DC Resistance	1.05 to 1.50 Ohms
Life	>22,000 Operating Hours
Reliability	>1,200,000 Flight Hours (MTTF)
Weight	<140 grams

UNITS: MILLIMETRES

Examples shown above are for information, dimensions can be modified to meet unique installations

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