

Temperature Sensor

Mineral insulated thermocouple manufactured in **Inconel** to withstand high temperature and aggressive chemicals in the gas stream.

Supplied with industry standard KNE head and 6mm OD probes for mounting directly into the gas stream.

Available in 200mm and 400mm probe lengths (others on request), these complement the SST Sensing Oxy-Flex and other combustion monitoring O2 probes.

Mineral insulated thermocouples can be used at temperatures between -200 and 1200°C and are very robust, making them ideal for demanding applications. They can be manipulated around formers (with a radius of three times the probe diameter) and at angles and shapes to suit the application. They are generally manufactured with an insulated (ungrounded) junction which reduces any electrical interference and provides a stable reading.

The thermocouple has a screw top IP68 (KNE) weather-proof head. An M20 cable entry and comes with a ceramic terminal block or optional in-head safe area or ATEX intrinsically safe transmitter. It can be supplied with flange, compression fitting or butt weld connections.

Features

- IP68 weather-proof (KNE) head
- Wide temperature range
- Available with ceramic block
- 4-20mA /0-10VDC transmitter option
- Compression fitting and flange options available

Application

- Flue gas temperature measurement.
- Vessels, ducts, boilers and pipes
- Works with IQsens and SmartSENS display controllers



Product	Mineral Insulated Thermocouple with Standard (KNE) Head and Process Fitting
Type	K, J, T or N
Temp Range	-200 to 1200°C dependent on thermocouple type and sheath material
Length	200mm or 400mm or to order
Diameter Ø	6mm
Terminal Head	IP68 weather-proof KNE head
Cable Entry	M20
Accuracy	Class 1
Part Number	TMNP