

PYROMETRIC ROD

For high temperature applications

OPERATING PRINCIPLE

This set is composed of a measuring element, an insulating lining (often a ceramic sheath) and an outer mechanical protection sheath. A pyrometric rod is fitted with electrical connection devices and mechanical fixings. These sets are intended for high and very high temperature applications. The thermocouples are made in a cladded assembly with mineral insulation or in a beaded assembly with ceramic insulation. The protective sheaths can be metallic or ceramic.



GENERAL DATA

- See thermocouple datasheet page 41

MULTIPOINT SENSOR

For precise multi-temperature measurement

OPERATING PRINCIPLE

A multipoint column is formed by the assembly of several sensors of different lengths, designed to give precise and rapid temperature measurements at predetermined levels in vessels (tank, separator, column, reactor) or furnaces. They measure a temperature profile and detect hot spots. This system has the advantage of being compact and relatively easy to assemble.



GENERAL DATA

- See RTD and thermocouple probes datasheets page 41

TECHNICAL CHARACTERISTICS⁽¹⁾

	Pyrometric rod	Multipoint sensor
Measuring scale	Thermocouple probe made in a cladded assembly with mineral insulation or in a beaded assembly with ceramic insulation	Thermocouple probe or RTD probe
Protective sheath	Metallic or ceramic	Special pipe if necessary
Useful length	Up to 2 m	Different lengths of sensors
Number of measuring points	1	Up to 40
Electrical connection ⁽²⁾	Standard or ATEX compliant connection head	

⁽¹⁾ Only standard data are exposed on this page. Other designs are available on request.

⁽²⁾ For more details, see information on ATEX on page 81.