

Custom Built Ceramic Sheathed Thermocouple Sensors

- Sensors made to meet your requirements
- Thermocouple types K, J, N, R, S and B available
- Sheath diameters from 8mm to 20mm
- Wide choice of sheath materials
- Die Cast Alloy or Cast Iron Head
- UKAS calibration available
- Generally shipped in 5 to 7 days or sooner



RATED TO IP67

SECTION 1	Thermocouple Type	Temperature Range (continuous)
K	Nickel Chromium vs Nickel Aluminium	0°C to +1100°C
J	Iron vs Constantan	+50°C to +800°C
N	Nicrosil vs Nisil	0°C to +1200°C
R	Platinum - 13% Rhodium vs Platinum	0°C to +1600°C
S	Platinum - 10% Rhodium vs Platinum	0°C to +1550°C

SECTION 2	Ceramic Sheath Diameter (mm)	Metal Support Tube Diameter (mm)
Standard Sizes	8mm	21.3mm
	10mm	21.3mm
	12mm	21.3mm
	17mm	26.7mm
	20mm	26.7mm

SECTION 3	Sheath Material	Maximum Temperature
IAP	Impervious Aluminous Porcelain	1400°C
IRA	Impervious Recrystallised Alumina	1800°C
SC	Silicon Carbide	1450°C

SECTION 4	Optional Support Tube Mounting Fittings	
WBPSA	St/Steel welded bush 3/4" BSPP	<p>State bush position on sheath</p>
WB TSA	St/Steel welded bush 3/4" BSPT	
WBPSB	St/Steel welded bush 1" BSPP	
WB TSB	St/Steel welded bush 1" BSPT	
FI1	100mm dia. adjustable Cast Iron Flange	

SECTION 5	Terminal Heads	
3P11	Weatherproof Standard Size Die Cast Alloy Head	3P12
3P12	Weatherproof Standard Size Cast Iron Head	3P11

Order Code - Example

Type No	Thermocouple Type (See section 1)	Nº of elements	Primary Sheath Dia. (See section 2)	Primary Sheath Material (See section 3)	Sheath Length under Head	Secondary Sheath Material (if required)	Support Tube Mounting (See section 4)	Terminal Head (See section 5)
14	- R	- 1	- 20	- IRA	- 600	- IAP	- FI1	- 3P11