

Custom Built Heavy Duty Industrial Thermocouple

- Sensors made to meet your requirements
- Thermocouple types K, J, N, R, S and B available
- Sheath diameters from 12.7mm to 26.7mm
- Wide choice of sheath materials
- Die Cast Alloy or Cast Iron Head
- UKAS calibration available
- Generally shipped in 5 to 7 days or sooner



Shown with optional WBPSA fitting

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	Sheath Diameter (mm)	Sheath Diameter (inches)
Standard Sizes	12.7mm	1/2"
	15.9mm	5/8"
	21.3mm	13/16"
	26.7mm	1 + 1/16"

SECTION 3	Standard Sheath Material	Max. Temp.
116	316 Stainless Steel	800°C
176	Inconel 600	1100°C
180	Incoloy 800	1100°C
144	AISI 446	1150°C
114	Nicrobell D	1250°C

SECTION 4	Secondary Sheath (optional)
IAP	Impervious Aluminous Porcelain
IRA	Impervious Recrystallised Alumina
IM	Impervious Mullite

SECTION 5	Optional 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 6	Terminal Heads	
3P11	Weatherproof Standard Size Die Cast Alloy Head	3P12
3P12	Weatherproof Standard Size Cast Iron Head	3P12

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, see section 4)	Tube Mounting (See section 5)	Terminal Head (See section 6)
13	- K	- 1	- 13/16	- 176	- 500	- IRA	- FI1	- 3P12



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