

# Head mounted Furnace sensor



These are high-temp probe assemblies with weatherproof connection head and housed in a ceramic sheath.

Our standard range is shown below, although any special can be manufactured upon request.

Contact the Sales office for details and a quotation.

A type K or Platinum v Platinum Rhodium thermocouple housed in a refractory aluminium oxide sheath. A weatherproof connecting head and support tube are fitted. A choice of Type K (Chromium/Aluminium) or Type R (Pt/Pt13%Rh) and Type S (Pt/Pt10%Rh) thermocouples are available. The standard refractory sheath provides good protection in a wide range of applications and permits continuous operation at 1350°C (K) and 1600°C (R and S)

### High Temperature

#### Model Hd13

Operating Temperature	<b>K</b> 0 to 1350°C <b>R</b> (Pt/Pt13%Rh) 0 to 1600°C <b>S</b> (Pt/Pt10%Rh) 0 to 1600°C
Type	K, R or S thermocouple
Hot junction	Insulated
Outer ceramic sheath diameter	<b>6mm</b> (10mm Ø Inconel support tube / 100mm long) <b>8mm</b> (12mm Ø Inconel support tube / 100mm long) <b>12mm</b> (5/8" Ø Inconel support tube / 100mm long) <b>17mm</b> (22mm Ø Inconel support tube / 150mm long)
Ceramic sheath length	Measured from below the support tube (i.e. ceramic portion only)
Termination	Aluminium heads (IP67) with M20 electrical connection cable gland

Model code				
Model	Calibration	Ceramic sheath diameter	Ceramic sheath length (in mm)	Options
Hd13	<b>K</b>	<b>60 (6mm)</b>	<b>200 (200mm)</b>	Transmitter T (range) Termination For flying tails Suffix with <b>F</b>
	<b>R</b>	<b>80 (8mm)</b>	<b>300 (300mm)</b>	
	<b>S</b>	<b>12 (12mm)</b> <b>17 (17mm)</b>	<b>500 (500mm)</b>	

### Accessories



Compression fittings



Flanges



Extension cable

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