

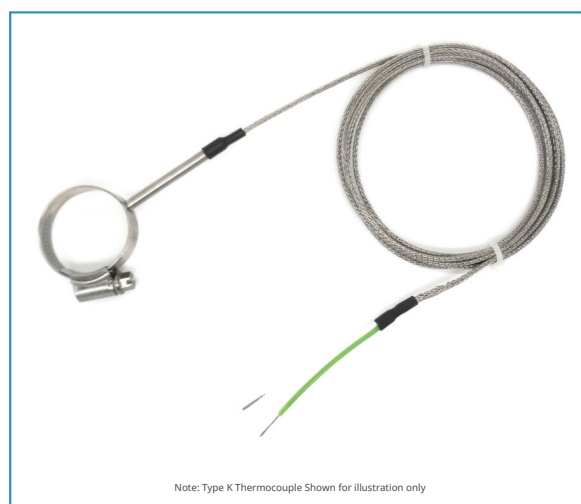
Pipe Clamp Thermocouple Sensor With lead

Product Code **TPC**

Special Thermocouple

Pipe Clamp Thermocouple Sensors available in Type K, J, & T.

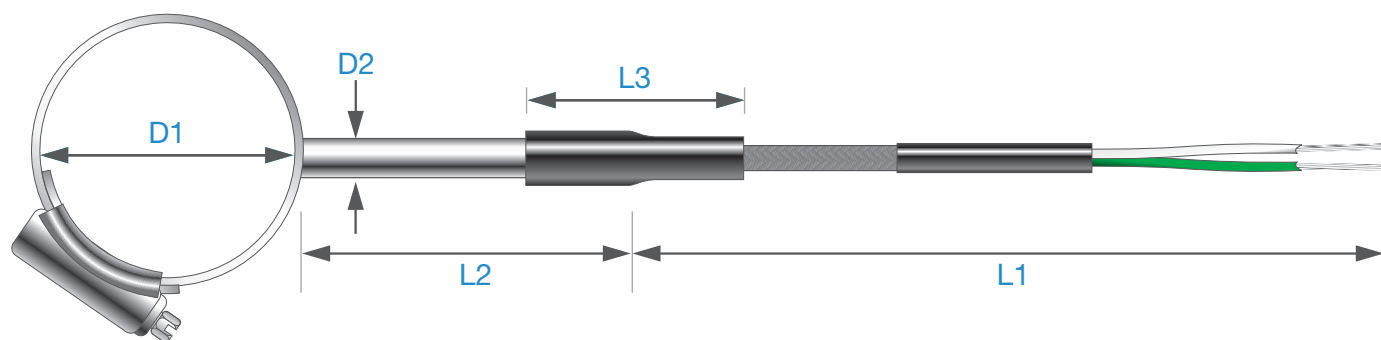
The Jubilee clip style Thermocouple sensor has been designed to allow for the temperature of pipes or cylinders to be monitored. They are available in a number of sizes to suit your diameter of pipe or cylinder. The assembly includes a protection sheath that is secured to the clamp which is then utilised for the thermocouple junction that is grounded into the clamp for improved speed of response and accuracy. For enhancing the sensing performance we recommend that you lag the sensor after attaching to the pipe. The lead is secured to the housing by a crimp and an additional heat shrink for strain relief. Various cable options are available and the operating temperature of the assembly is determined by the temperature rating of the extension cable Insulation used. These cables are typically constructed of multi strands of 7/0.2mm in either PFA or Glassfibre as standard however other alternatives are available. The PFA insulated lead will offer an element of protection where moisture could be present and Glassfibre with stainless overbraid for higher temperature applications. The sensor is terminated to tails however other options are available that include miniature or standard connectors.



A wide range of accessories including instrumentation, extension cables, connectors, attachment pads are available for this product.

- IEC 60584.3 2008 colour coded extension cables and connectors
- Designed to clamp from 14mm diameter and above
- Thermocouple types K, J & T
- Suitable for use up to +350°C
- Bespoke designs available upon request
- Stocked versions available to order

Sensor Specifications



Sensor Style	Pipe Clamp Thermocouple Sensor With Lead
Conductor/Thermocouple Type	Type K, Type J, Type T
Maximum Temperature of Sensor	260°C for sensor fitted with PFA Insulated cable
	350°C for sensor fitted with Glassfibre insulated cable
Pipe Clamp Material	Stainless Steel
Sensor Sheath Material	Stainless Steel
Sensor Protection Sheath Length (L2)	50mm
Heat Shrink Strain Relief (L3)	PVC 20mm (+110°C)
Sensor Sheath Diameter (D2)	4.76mm
Clamp Diameter (D1)	As required in millimetres
Sensing Junction	Grounded (Non-Isolated) Simplex
Extension Cable Length (L1)	As required in metres
Extension Cable Insulation	Glassfibre c/w (Stainless Steel Over braid), 7/0.2mm Ø (-60°C to +350°C)
	PFA, 7/0.2mm Ø (-75°C to +260°C)
Termination	Tails, Spade Terminals, Miniature, Standard Plug or Socket, Connector Block