

## The CAL product range also includes:-

### Temperature Controllers

A low-cost range of temperature controllers with added options for RS232 & RS485 communications. All controllers have P.I.D. control, autotune, heat-cool strategy. Product options are available for single or multi ramp-soak profile.

### Process Controllers

Versatile programmable controllers for process control applications. Designed to offer the highest functionality in a 48mm x 48mm (1/16<sup>TH</sup> DIN) package. This combination of programmable ramp/soak profiles, process control inputs and 3 outputs, together with RS232 or RS485 comms makes the CAL range of controllers a unique and affordable package.

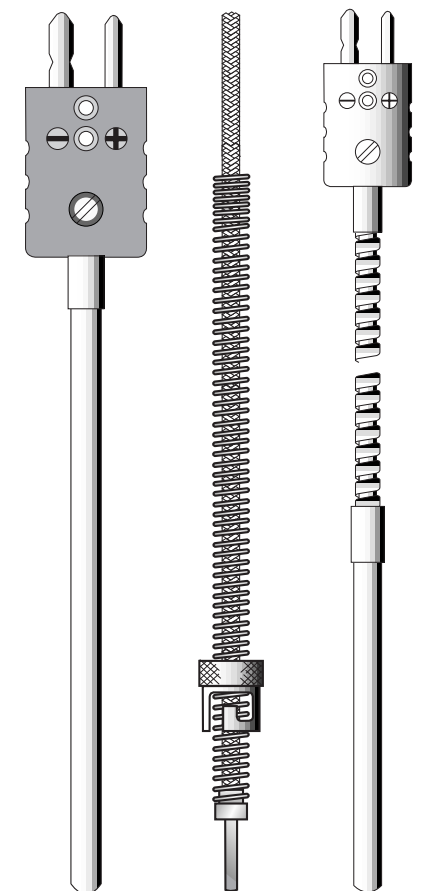
### Process Monitoring and Configuration

Easy to use software packages that provide charting, logging and configuration solutions for networks of up to 128 controllers.

### Solid State Relays

Solid state relays used in conjunction with our controllers for high speed load switching. Product options are available to provide the best application solution.

## The CAL range of Temperature Sensors



Specifications are subject to change without notice, as a result of continual development and improvement.

Your nearest CAL contact;



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**CAL Controls**



# The CAL Controls range of Temperature Sensors

As a manufacturer of temperature and process controllers CAL wishes to offer the very best service. By matching a high-quality, low cost range of sensors to it's range of controllers, CAL now offers you a complete solution, reducing your supply base and lowering your purchasing costs.

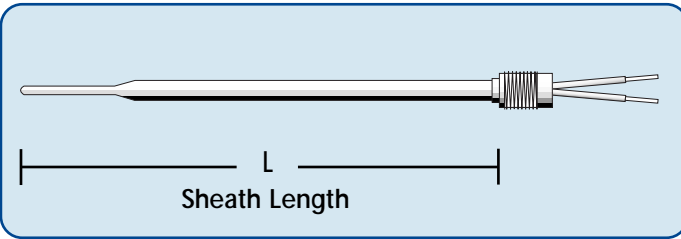
## Thermocouples



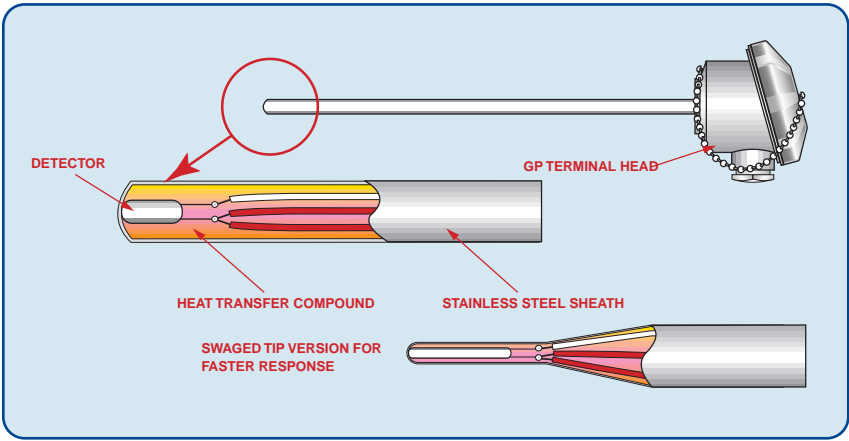
## Resistance Thermometer

A range of 2,3 and 4 wire resistance thermometers consisting of a PT100 sensor housed in a stainless steel sheath. PT100 sensors can measure temperatures of between -200 and 850°C. As with our thermocouple range many options are available to meet the requirements of your application.

## Thermocouples/Resistance thermometers options

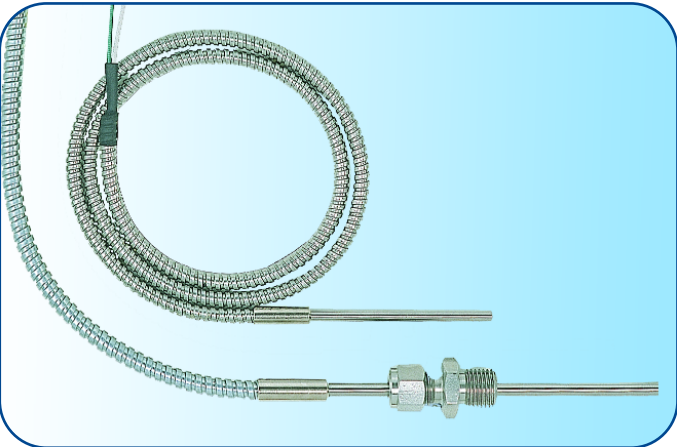
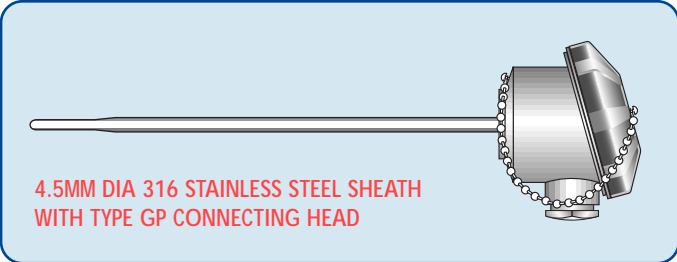
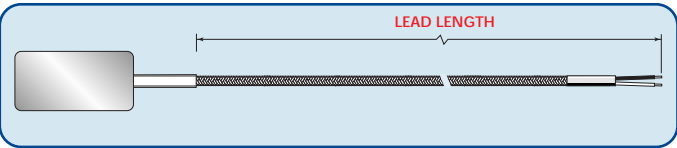
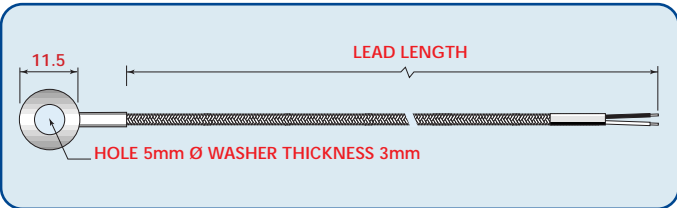
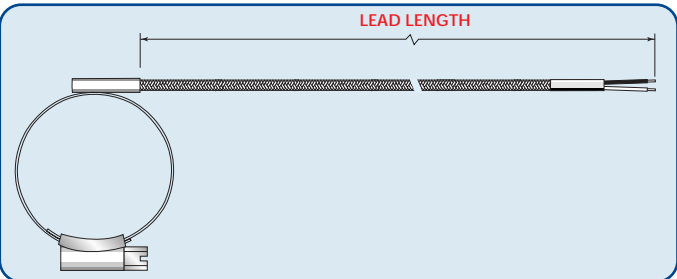
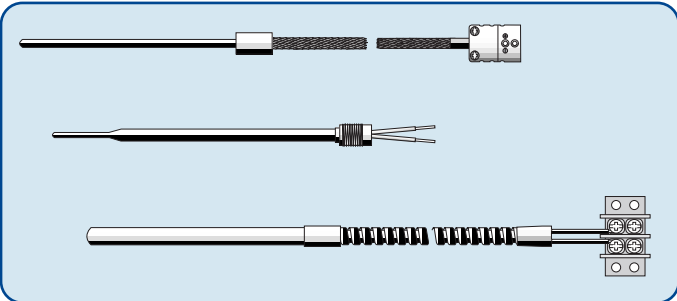
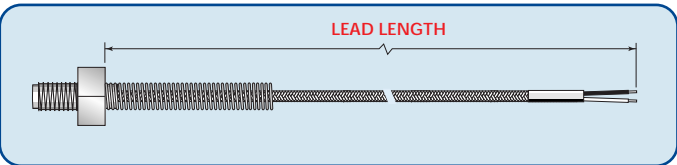
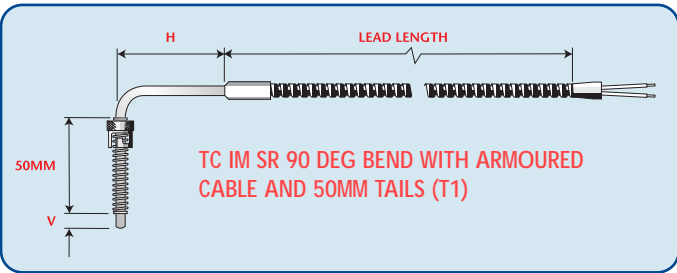


CAL offers one of the most extensive thermocouple ranges available, with many options on types of thermocouple, probe and head styles, probe length and material, in addition to various lead and termination types. We can offer a sensor product to meet most applications. The temperature range of the sensors are dependent on the sensor type chosen, different products are available for measurement between -150 and 1600°C The range is also complimented by specially designed products for plastic extrusion, high temperature sensing, heavy duty applications and high measurement accuracy.

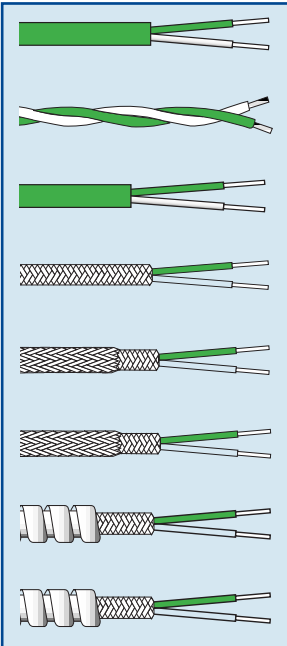


- Sheath Length Available in lengths up to 5m
- Diameter Sheath diameter of 1mm to 25.5mm
- Material 310, 316, or 321 stainless steel  
600 Inconel, Porcelain, Alumina,  
Nicrobell, CH/I - B446, Kanthal  
Resistance thermometers, 316 stainless steel

## Probe style examples (other styles available, please ask)

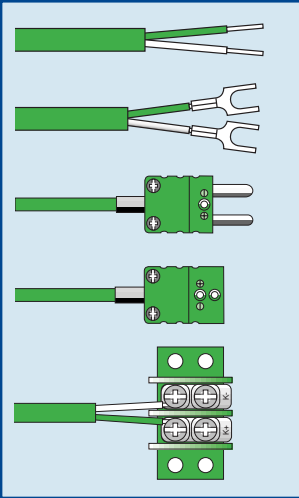


## Type of leads



- PVC leads/PVC outer
- Teflon twisted
- Teflon leads/Teflon outer
- Glass braided
- Glass braided/Tin Copper braid outer
- Glass braided/St-steel braid outer
- Glass braided/Galv Helicoil outer
- Glass braided/St-Steel Helicoil outer

## Lead termination



Optional gland fittings in brass and stainless steel

Contact CAL to discuss your application requirements

Please specify the lead length required when ordering