

### A cost effective temperature probe for Food, Dairy and Pharmaceutical processes

- Consists of a 316L stainless steel probe with a hygienic tri-clover flange welded to the sheath, for easy and secure process connection with standard tri-clover clamps and gaskets
- Specified as either an RTD (PT100 or PT1000) or type T thermocouple.
- With an FDA Polypropylene head or 316L stainless steel head



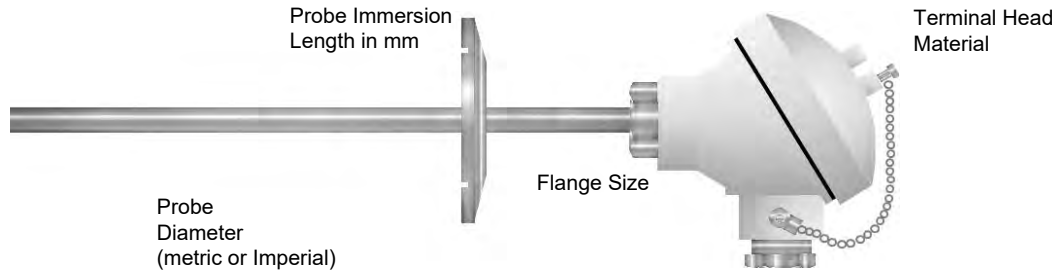
<b>Specification:</b>	
<b>STEM MATERIAL</b>	Sheath in 316 stainless steel.
<b>STEM DIMENSIONS</b>	Diameter : Metric: 3.0mm to 15mm Imperial: 1/8", 3/16", 1/4", 3/8, 1/2" Reduced tip can be specified  Immersion Length below tri-clover: 50mm min to as required Extension above tri-clover: Standard 50mm
<b>TRI-CLOVER PROCESS CONNECTION</b>	Imperial: 0.5-0.75", 1-1.5", 2.0", 2.5" Metric: DN25, DN50 Vacuum flange or other flanges can be specified
<b>RTD SENSOR</b>	PT100 / PT1000 Single or duplex with 2, 3 or 4 wire connection. Triplex with 2 wire connection  Tolerance: PT100: Class A, AA to BS EN 60751:2008 or 1/10 DIN PT1000: Class A  Temperature Range: -50 to +250°C
<b>THERMOCOUPLE SENSOR</b>	Single, duplex or triplex elements  Type: T to BS EN 60584-1:2013.  Temperature Range: -50 to +250°C
<b>TERMINAL HEAD</b>	Screw cap, retention chain and M20 cable entry, environmental rating to IP67. In FDA approved Polypropylene or 316 stainless steel Complete with terminal block or transmitter
<b>OPTIONAL EXTRAS</b>	
<ul style="list-style-type: none"> <li>• Transmitter for 4-20mA output to suit RTD or Thermocouple</li> <li>• PR 5332 recommended for high accuracy PT100/PT1000 measurements for detectors with 4 wires</li> <li>• Material certs for wetted parts</li> <li>• UKAS calibration</li> <li>• ADIF statement</li> <li>• 0.8 RA surface finish on wetted parts</li> <li>• Electropolishing for superior surface finish</li> </ul>	

### Datasheet : 063

Please download PDF and fill in the boxes. Use 'Additional Information' for non standard requests. Return form to [sales@thermal-detection.com](mailto:sales@thermal-detection.com) or fax to +44 1642 618307

Name: \_\_\_\_\_ Email: \_\_\_\_\_  
 Organisation: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Country \_\_\_\_\_

**Section 1** - unit dimensions in mm, select options required



**Section 2** - Sensor Configuration

Sensor Number	Thermocouple Only		PT100 Only	
	Hot Junction	Type	Type	Wires
Single	G Grounded	Type 'T'	Class 'A'	2 wire
Duplex	s Insulated		Class 'AA'	3 wire
Triplex			1/10 DIN	4 wire

**Section 3** - Reduced Tip

Reduced Tip Length mm



Reduced Tip Diameter (metric or Imperial)

Termination Options

DIN plate

Ceramic Block



Transmitter - In Head



Transmitter - DIN rail



Transmitter Range Min/Max °C

Optional Extras

3.1 Material Certs for wetted parts

ADIF Statement

<0.8RA Surface Finish

Electropolishing

UKAS Calibration

indicate temperature points

**Section 4** - Application Details

Additional information

Number of probes required

Industry Type