

A convenient arrangement of a pocket with hygienic tri-clover flange and removable temperature insert for Food, Dairy and Pharmaceutical processes and service plant

- Consists of a 316L thermowell / pocket with tri-clover flange, for easy and secure connection with standard clamps and gaskets
- Spring loaded insert specified with either PT100, PT1000 or thermocouple type T sensors.
- Terminal head in FDA Polypropylene or 316 stainless steel
- Can be specified with a 4-20mA transmitter



| <b>Specification:</b>   |   |
|---|---|
| <b>THERMOWELL MATERIAL</b>  | 316 stainless steel.  |
| <b>THERMOWELL DIMENSIONS</b>  | Diameter :<br>Metric: 6.0mm to 15mm<br>Imperial: ¼" to ½" NB (21.3mm)<br><br>immersion Length below tri-clover: 50mm min to as required<br>Extension above tri-clover: Standard 50mm  |
| <b>TRI-CLOVER PROCESS CONNECTION</b>  | Imperial: 0.5-0.75", 1-1.5", 2.0", 2.5"<br>Metric: DN25, DN50<br>Vacuum flange or other flanges can be specified  |
| <b>REMOVABLE SPRING LOADED INSERT WITH RTD SENSOR</b>   | PT100 / PT1000<br>Single or duplex with 2, 3 or 4 wire connection.<br>Triplex with 2 wire connection<br><br>Tolerance:<br>PT100: Class A, AA to BS EN 60751:2008 or 1/10 DIN<br>PT1000: Class A<br><br>Temperature Range: -50 to +250°C |
| <b>REMOVABLE SPRING LOADED INSERT WITH THERMOCOUPLE SENSOR</b>  | Single, duplex or triplex elements<br>Type: T to BS EN 60584-1:2013.<br>Temperature Range: -50 to +250°C  |
| <b>TERMINAL HEAD</b>  | Screw cap, retention chain and M20 cable entry, environmental rating to IP67.<br>In FDA approved Polypropylene or 316 stainless steel<br>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 : 064

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 \_\_\_\_\_

|   |   |             |                        |
|---|---|-------------|------------------------|
| <b>Section 1</b> - unit dimensions in mm, select options required |   | Flange Size | Terminal Head Material |
| Pocket Diameter   | Pocket immersion Length<br>below flange in mm |             |                        |

|   |  |   |  |
|---|--|---|--|
| <b>Section 2</b> - Insert Sensor Configuration      | Thermocouple Type T                              | PT100   | PT1000 Class A                             |
| <b>Sensor Number</b><br>Single<br>Duplex<br>Triplex | <b>Hot Junction</b><br>G Grounded<br>s Insulated | <b>Tolerance</b><br>Class 'A'<br>Class 'AA'<br>1/10 DIN | <b>Wires</b><br>2 wire<br>3 wire<br>4 wire |

|                  |   |   |
|------------------|---|---|
| <b>Section 3</b> | <b>Termination Options</b><br>DIN plate<br>Ceramic Block<br>Transmitter - In Head<br>Transmitter - DIN rail<br>Transmitter Range<br>Min/Max °C<br>/ | <b>Optional Extras</b><br>3.1 Material Certs for wetted parts<br>ADIF Statement<br><0.8RA Surface Finish<br>Electropolishing<br>UKAS Calibration<br>indicate temperature points |
|------------------|---|---|

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|--|------------------------|
| <b>Section 4</b> - Application Details | Additional information |
| Number of probes required              |                        |
| Industry Type                          |                        |