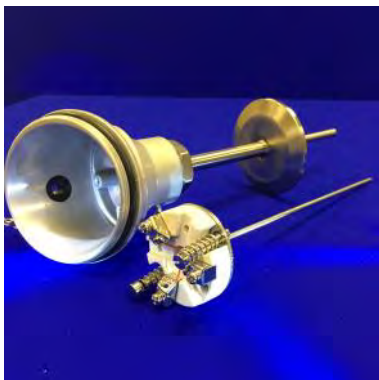


A combination of thermowell and removable temperature insert with a wide range of screwed and flanged process connections.

- Terminal head with either a ceramic terminal block or a temperature transmitter for 4-20mA output.
- Sensor type either RTD (PT100 or PT1000) or thermocouple.
- Screwed and flange process connection options available.



<b>Specification:</b>	
<b>THERMOWELL MATERIAL</b>	316, 304, 321, 310 stainless. Inconel 600 and other materials also available.
<b>STEM DIMENSIONS</b>	Diameter : Metric: 6.0mm to 15mm Imperial: ¼", ⅜", ½", ⅝" NB (21.3mm OD)  Length: 50mm min to as required
<b>PROCESS CONNECTIONS</b>	MD: none MDS: screwed BSPT/BSPP, NPT, Metric MDF: flanged, any size
<b>RTD SENSOR INSERT</b>	PT100 / PT1000 Single or duplex with 2, 3 or 4 wire connection. Triplex with 2 wire connection  Tolerance: PT100: Class B, A, AA to BS EN 60751:2008 or 1/10 DIN PT1000: Class B, A  Temperature Range: Standard: -50 to +250°C High: 0 to +500°C
<b>THERMOCOUPLE SENSOR INSERT</b>	Single, duplex or triplex elements  Type: T, E, J, K, N to BS EN 60584-1:2013.  Temperature Range: Standard: -50 to +250°C High: 0 to +850°C (depending on type)
<b>TERMINAL HEAD</b>	KNE as standard: Screw cap, retention chain and M20 cable entry, environmental rating to IP67. In die-cast aluminium, stainless steel or polypropylene Complete with terminal block or transmitter Other styles available.
<b>TEMPERATURE TRANSMITTER</b>	All probe types can be specified with a temperature transmitter for 4-20mA output. Programmable and HART versions.
<b>OPTIONAL EXTRAS</b>	
<ul style="list-style-type: none"> <li>• 3.1 material certs for wetted parts</li> <li>• UKAS temperature calibration</li> </ul>	

### Datasheet : 046

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### Available Heads

Form B



KNE



BUZ (Aluminium or st st)



BUZ-H Duplex



KPP White FDA



YCE



KSE mini



LS 316 stst



MA mini



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

Service Temperature Range (min/max °C) PT100 500 °C max T/C 850 °C max	Pocket Diameter	Pocket immersion length in mm (if screw or flanged connection specified, this is the length below screw or flange)	Terminal Head Material
Pocket Material			

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

<b>Section 3</b> Process Connections	Termination Options	Optional Extras
None Fixed Thread → + Adjustable Compression Fitting Flange (specify)	DIN plate Ceramic Block Transmitter - In Head Transmitter - DIN rail Transmitter Range Min/Max °C /	3.1 Material Certs for wetted parts UKAS Calibration indicate temperature points

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