

PT100 and thermocouple sensors

3 wire pt100 elements mounted in a st/steel tube. These high accuracy devices are supplied in either 3 or 6 mm tube with 1.5 m long PFA lead.



SPECIFICATION

Probe 316 st/steel
3 wire PFA lead
Class b element
-50 to + 250°C
1.5 m lead

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
PT100-3X50-1.5M	3 wire class b, 3mm x 50 mm, 1.5m lead	POA	POA
PT100-3X100-1.5M	3 wire class b, 3mm x 100mm, 1.5m lead	POA	POA
PT100-3X150-1.5M	3 wire class b, 3mm x 150mm, 1.5m lead	POA	POA
PT100-6X50-1.5M	3 wire class b, 6mm x 50 mm, 1.5m lead	POA	POA
PT100-6X100-1.5M	3 wire class b, 6mm x 100mm, 1.5m lead	POA	POA
PT100-6X150-1.5M	3 wire class b, 6mm x 150mm, 1.5m lead	POA	POA
PT100-6X200-1.5M	3 wire class b, 6mm x 200mm, 1.5m lead	POA	POA
PT100-6X300-1.5M	3 wire class b, 6mm x 300mm, 1.5m lead	POA	POA

Type K and J thermocouples

Type K and J thermocouple sensors, insulated junction mounted into a 3 or 6mm dia tube, complete with 1.5 m long ptfe lead. IEC colours



SPECIFICATION

Type K and J
-50 to +250°C
PFA flat pair cable
6mm or 3mm dia tube
1.5m long lead
Insulated junction

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
T/C-K(OR J)-3X50-1.5M	Type K or J 3mm x 50mm, 1.5m lead	POA	POA
T/C-K-3X100-1.5M	Type K or J 3mm x 100mm, 1.5m lead	POA	POA
T/C-K-3X150-1.5M	Type K or J 3mm x 150mm, 1.5m lead	POA	POA
T/C-K-3X200-1.5M	Type K or J 3mm x 200mm, 1.5m lead	POA	POA
T/C-K-6X50-1.5M	Type K or J 6mm x 50mm, 1.5m lead	POA	POA
T/C-K-6X100-1.5M	Type K or J 6mm x 100mm, 1.5m lead	POA	POA
T/C-K-6X150-1.5M	Type K or J 6mm x 150mm, 1.5m lead	POA	POA
T/C-K-6X200-1.5M	Type K or J 6mm x 200mm, 1.5m lead	POA	POA
T/C-K-6X300-1.5M	Type K or J 6mm x 300mm, 1.5m lead	POA	POA

Type K and J flexible thermocouples

Flexible mineral insulated thermocouples. 1.5 or 3mm dia insulated junction probe with 1.5m long pfa insulated cable. Sensors can be bent to shape to suit application.



SPECIFICATION

Insulated hot junction
Mineral insulated
Flexible magnesium oxide construction
Sensing tip can withstand up to 800°C
Plain pot seal
Pfa insulated flat pair cable

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
T/C-K(or j)-MI-1.5X100-1.5M	Type K mi, 1.5mm x 100mm, 1.5m lead	POA	POA
T/C-K-MI-1.5X300-1.5M	Type K mi, 1.5mm x 300mm, 1.5m lead	POA	POA
T/C-K-MI-1.5X500-1.5M	Type K mi, 1.5mm x 500mm, 1.5m lead	POA	POA
T/C-K-MI-1.5X1000-1.5M	Type K mi, 1.5mm x 1000mm, 1.5m lead	POA	POA
T/C-K-MI-3X100-1.5M	Type K mi, 3.0mm x 100mm, 1.5m lead	POA	POA
T/C-K-MI-3X300-1.5M	Type K mi, 3.0mm x 300mm, 1.5m lead	POA	POA
T/C-K-MI-3X500-1.5M	Type K mi, 3.0mm x 500mm, 1.5m lead	POA	POA
T/C-K-MI-3X1000-1.5M	Type K mi, 3.0mm x 1000mm, 1.5m lead	POA	POA

Exposed junction thermocouples

Exposed junction thermocouples insulated in either fiberglass for up to 400°C or ptfе for 250°C max. 2 m or 5m long leads available

SPECIFICATION

Fast response
Fibre glass/ptfe insulated
Up to 400°C rated
2 m or 5m lead versions
Conductors 1/0.2

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
T/C-K(OR j)-EX-2000P	Type K exposed junction, 2000mm pfa lead	POA	POA
T/C-K-EX-5000P	Type K exposed junction, 5000mm pfa lead	POA	POA
T/C-K-EX-2000F	Type K exposed junction, 2000mm f/g lead	POA	POA
T/C-K-EX-5000F	Type K exposed junction, 5000mm f/g lead	POA	POA

PT100 and thermocouple sensors with connection heads

Thermocouple and pt100 probes complete with IP68 aluminium connection head. These heads are ideal for housing a transmitter or to give a basic probe more mechanical protection.



SPECIFICATION

PROBE MATERIAL: st/steel 316
 PROBE TYPE: PT100 or thermocouple type
 K, J or T
 M20 x 1.5 conduit entry
 HEAD MATERIAL: Aluminium

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 4	5 +
PT100-6X150MM-HEAD	3 WIRE PT100, 6MM DIA X 150MM LONG PROBE, C/W ALUMINIUM HEAD	POA	POA
PT100-6X300MM-HEAD	3 WIRE PT100, 6MM DIA X 300 MM LONG PROBE, C/W ALUMINIUM HEAD	POA	POA
T/C-K-6X150MM-HEAD	TYPE K THERMOCOUPLE, 6 MM DIA X 150 MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA
T/C-K-6X300MM-HEAD	TYPE K THERMOCOUPLE, 6MM DIA X 300 MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA
T/C-J-6X150MM-HEAD	TYPE J THERMOCOUPLE, 6MM DIA X 150MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA
T/C-J-6X300MM-HEAD	TYPE J THERMOCOUPLE, 6MM DIA X 300MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA
T/C-T-6X150MM-HEAD	TYPE T THERMOCOUPLE, 6MM DIA X 150MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA
T/C-T-6X300MM-HEAD	TYPE T THERMOCOUPLE, 6MM DIA X 300MM LONG PROBE C/W ALUMINIUM HEAD	POA	POA

PLEASE CONTACT THE SALES OFFICE TO CHECK STOCK AVAILABILITY

Type K and type J thermocouple plugs and sockets

Mini and standard thermocouple plugs and sockets K, J and T. Normal plastic (max temp 220°C) or high temperature versions (max temp 280°C).



SPECIFICATION

TEMPERATURE RATING: -30 to + 280°C

MATERIAL: Glass filled thermoplastic

DIMENSIONS MINI: 17x25x8mm socket, 17x21x8mm for plugs (+ connection pins)

DIMENSIONS STANDARD: 25x34x12mm socket, 25x34x12mm plug (+ connection pins)

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 4	5 +
	PLASTIC (220°C max temp)		
MINI K LINE PLUG	TYPE K MINI LINE PLUG	POA	POA
MINI K LINE SOCKET	TYPE K MINI LINE SOCKET	POA	POA
MINI J LINE PLUG	TYPE J MINI LINE PLUG	POA	POA
MINI J LINE SOCKET	TYPE J MINI LINE SOCKET	POA	POA
MINI T LINE PLUG	TYPE T MINI LINE PLUG	POA	POA
MINI T LINE SOCKET	TYPE T MINI LINE PLUG	POA	POA
STAN K LINE PLUG	TYPE K STANDARD LINE PLUG	POA	POA
STAN K LINE SOCKET	TYPE K STANDARD LINE SOCKET	POA	POA
STAN J LINE PLUG	TYPE J STANDARD LINE PLUG	POA	POA
STAN J LINE SOCKET	TYPE J STANDARD LINE SOCKET	POA	POA
STAN T LINE PLUG	TYPE T STANDARD LINE PLUG	POA	POA
STAN T LINE SOCKET	TYPE T STANDARD LINE SOCKET	POA	POA
MINI K LINE PLUG HT	TYPE K MINI LINE PLUG HI TEMPERATURE UP TO 280°C	POA	POA
MINI K LINE SOCKET HT	TYPE K MINI LINE SOCKET HI TEMP UP TO 280°C	POA	POA
MINI J LINE PLUG HT	TYPE J MINI LINE PLUG HI TEMP UP TO 280°C	POA	POA
MINI J LINE SOCKET HT	TYPE J MINI LINE SOCKET HI TEMP UP TO 280°C	POA	POA
MINI T LINE PLUG HT	TYPE T MINI LINE SOCKET HI TEMP UP TO 280°C	POA	POA
MINI T LINE SOCKET HT	TYPE T MINI LINE SOCKET HI TEMP UP TO 280°C	POA	POA
STAN K LINE PLUG HT	TYPE K STANDARD LINE PLUG HI TEMP UP TO 280°C	POA	POA
STAN K LINE SOCKET HT	TYPE K STANDARD LINE SOCKET HI TEMP UP TO 280°C	POA	POA
STAN J LINE PLUG HT	TYPE J STANDARD LINE PLUG HI TEMP UP TO 280°C	POA	POA
STAN J LINE SOCKET HT	TYPE J STANDARD LINE SOCKET HI TEMP UP TO 280°C	POA	POA
STAN T LINE PLUG HT	TYPE T STANDARD LINE PLUG HI TEMP UP TO 280°C	POA	POA
STAN T LINE SOCKET HT	TYPE T STANDARD LINESOCKET HI TEMP UP TO 280°C	POA	POA

Compression fittings

Stainless steel and brass compression fittings for use with temperature sensors of various different diameters. These fittings allow different immersion lengths to be chosen whilst bolting through flange plates or tank walls.



SPECIFICATION

MATERIAL: brass or 316 st/steel
 THREAD: parallel or tapered BSP

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
BRASS			
COMP-FIT-1/8"BSPP-1.5MM-BRASS	1.5MM ID X 1/8 " BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/8"BSPP-3.0MM-BRASS	3.0MM ID X 1/8 " BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/8"BSPP-6.0MM-BRASS	6.0MM ID X 1/8 " BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPP-1.5MM-BRASS	1.5MM ID X 1/4" BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPP-3.0MM-BRASS	3.0MM ID X 1/4 " BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPP-6.0MM-BRASS	6.0MM ID X 1/4 " BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/2"BSPP-3.0MM-BRASS	3.0MM ID X 1/2" BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-1/2"BSPP-6.0MM-BRASS	6.0MM ID X 1/2" BSP PARALLEL THREAD BRASS	POA	POA
COMP-FIT-3/4"BSPP-6.0MM-BRASS	6.0MM ID X 3/4" BSP PARALLEL THREAD BRASS	POA	POA
TAPERED THREADS			
COMP-FIT-1/8"BSPT-1.5MM-BRASS	1.5MM ID X 1/8 " BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/8"BSPT-3.0MM-BRASS	3.0MM ID X 1/8" BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/8"BSPT-6.0MM-BRASS	6.0MM ID X 1/8" BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPT-1.5MM-BRASS	1.5MM ID X 1/4" BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPT-3.0MM-BRASS	3.0MM ID X 1/4 " BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/4"BSPT-6.0MM-BRASS	6.0MM ID X 1/4" BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/2"BSPT-3.0MM-BRASS	3.0MM ID X 1/2" BSP TAPERED THREAD BRASS	POA	POA
COMP-FIT-1/2"BSPT-6.0MM-BRASS	6.0MM ID X 1/2" BSP TAPERED THREAD BRASS	POA	POA
STAINLESS STEEL			
COMP-FIT-1/8"BSPP-1.5MM-ST/STEEL	1.5MM ID X 1/8" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/8"BSPP-3.0MM-ST/STEEL	3.0MM ID X 1/8" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/8"BSPP-6.0MM-ST/STEEL	6.0MM ID X 1/8" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPP-1.5MM-ST/STEEL	1.5MM ID X 1/4" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPP-3.0MM-ST/STEEL	3.0MM ID X 1/4" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPP-6.0MM-ST/STEEL	6.0MM ID X 1/4" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-1/2"BSPP-6.0MM-ST/STEEL	6.0MM ID X 1/2" BSP PARALLEL THREAD ST/STEEL	POA	POA
COMP-FIT-3/4"BSPP-6.0MM-ST/STEEL	6.0MM ID X 3/4" BSP PARALLEL THREAD ST/STEEL	POA	POA
TAPERED THREADS			
COMP-FIT-1/8"BSPT-1.5MM-ST/STEEL	1.5MM ID X 1/8" BSP TAPERED THREAD ST/STEEL	POA	POA
COMP-FIT-1/8"BSPT-3.0MM-ST/STEEL	3.0MM ID X 1/8" BSP TAPERED THREAD ST/STEEL	POA	POA
COMP-FIT-1/8"BSPT-6.0MM-ST/STEEL	6.0MM ID X 1/8" BSP TAPERED THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPT-1.5MM-ST/STEEL	1.5MM ID X 1/4" BSP TAPERED THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPT-3.0MM-ST/STEEL	3.0MM ID X 1/4" BSP TAPERED THREAD ST/STEEL	POA	POA
COMP-FIT-1/4"BSPT-6.0MM-ST/STEEL	6.0MM ID X 1/4" BSP TAPERED THREAD ST/STEEL	POA	POA

Lock nuts for compression fittings

Brass and Stainless steel lock nuts for use with compression fittings.

SPECIFICATION

MATERIAL: brass or 316 st/steel

PART CODES	DESCRIPTION	PRICE (£)	
		1 - 9	10 +
BRASS			
LOCK NUT-1/8" BSP	BRASS LOCK NUT TO SUIT 1/8" BSP THREAD	POA	POA
LOCK NUT-1/4" BSP	BRASS LOCK NUT TO SUIT 1/4" BSP THREAD	POA	POA
LOCK NUT-1/2" BSP	BRASS LOCK NUT TO SUIT 1/2" BSP THREAD	POA	POA
LOCK NUT-3/4" BSP	BRASS LOCK NUT TO SUIT 3/4" BSP THREAD	POA	POA
STAINLESS STEEL			
LOCK NUT-1/8" BSP S/S	ST/STEEL LOCK NUT TO SUIT 1/8" BSP THREAD	POA	POA
LOCK NUT-1/4" BSP S/S	ST/STEEL LOCK NUT TO SUIT 1/4" BSP THREAD	POA	POA
LOCK NUT-1/2" BSP S/S	ST/STEEL LOCK NUT TO SUIT 1/2" BSP THREAD	POA	POA

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