

Pre-cut Validation Thermocouples

Product Code:
VTFP
VTFP-LOOM

Description:

Pre-cut validation thermocouples are prepared to the customers specifications in terms of overall length, wire format, hot junction and other features.

Thermal Detection validation thermocouples:

- **ALWAYS manufactured from type T thermocouple material conforming to IEC 60584-1:2013 class 1. This gives a tolerance of +/- 0.5°C across the range -40°C to 125°C**
- **ALWAYS incorporate a hot junction which is welded under Argon for a longer lasting thermocouple.**

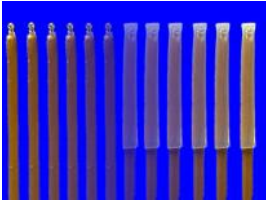
Available wire insulation types:

- PFA Extruded : Smooth, easy to clean.
- PTFE Lapped: Tightly wrapped insulation minimises capillary action.
- PFA Twisted: Low cost solution
- Kapton®: For high temperature applications such as depyrogenation.

Optional Features:

- Weep holes : To allow any condensate travelling up the inner jacket of the thermocouple to drain away.
- Hot junction Teflon encapsulation : To reduce condensate penetration and reduce the rate of hot junction oxidation.
- Stainless Steel Tips : For added hot junction protection.
- Loom: Any number of pre-cut thermocouples can be bundled and secured together in a loom, for easy installation.

Please use the enquiry form to request a quotation.



Available Optional Extras									
Insulation Material	Conductor Format	Max Temp °C	Bare Hot Junction	Teflon Encapsulated Hot Junction	316 St St Tip over Hot Junction	Identification Both Ends of TC	Weep hole	Mini Plug	Loom
PFA Extruded	1/0.3mm	250°C	✓	✓	✓	heat shrink	✓	✓	✓
	1/0.5mm	250°C	✓	✓	✓	heat shrink	✓	✓	✓
	3/0.2mm	250°C	✓	✓	✓	heat shrink	✓	✓	✓
	7/0.2mm	250°C	✓	✓	✓	heat shrink	✓	✓	✓
	13/0.2mm	250°C	✓	✓	✓	heat shrink	✓	✓	✓
PTFE Lapped	1/0.3mm	250°C	✓	✓	✓	heat shrink	✗	✓	✓
	1/0.5mm	250°C	✓	✓	✓	heat shrink	✗	✓	✓
PFA Twisted	1/0.3mm	250°C	✓	✗	✗	heat shrink	✗	✓	✓
	1/0.5mm	250°C	✓	✗	✗	heat shrink	✗	✓	✓
Kapton®	1/0.3mm	300°C*	✓	✗	✓	heat shrink or st. tag	✗	✓	✓
	7/0.2mm	300°C*	✓	✗	✓	heat shrink or st. tag	✗	✓	✓

* Kapton® can go to 350°C for short periods

Datasheet : 029

Thermal Detection Limited
 Unit 6, Primrose Hill Industrial Estate
 Orde Wingate Way
 Stockton-on-Tees, England,
 TS19 0GA




Fax : +44 (0) 1642 618307
 Tel : +44 (0) 1642 602878
 Email: sales@thermal-detection.com
 Web: www.thermal-detection.com
 © Thermal Detection Ltd 2020

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

Name: _____ Email: _____
 Organisation: _____ Tel: _____
 Country _____

Thermocouple Entry Gland (TCEG)			
TCEG/1 (18t/c) qty?		Select Process Connection	Spare Sealant Sets RS-TGEG/1 qty?
TCEG/2 (36t/c) qty?		Spare Sealant Sets RS-TCEG/2 qty?	

Validation Thermocouples (VTFP)			
Select Wire Format	How many thermocouples?		
	Thermocouple Length (mm)		
<u>Hot Junction:</u>		<u>Connectors:</u>	Loom Format?
Left Bare	PTFE Encapsulated	None	ID both ends?
Steel Tipped (Kapton Only)		Mini Plug	316 st st ID tags?
		Standard Plug	



Extension Tubes (TPE/YPE)	Clamps and Accessories	Tri-Clover Reducers
Tee piece Select Size / Qty: 1" tube 1.5" tube 2" tube 2.5" tube 3" tube	Double Hinge Clamp in 316L Select Size/Qty: 0.5-0.75" 1-1.5" 2" 2.5" 3"	Quantity Select Profile: Concentric Parallel Select Reducer Size:
Y piece Select Size / Qty: 1" tube 1.5" tube 2" tube 2.5" tube 3" tube	Gaskets Select Type / Qty EPDM Viton Silicone PTFE	Tri-clover Adaptors Quantity Select Thread Type BSPT NPT Select Adaptor Size

Validation Kit IP67 Carry Case with foam inserts customised for your selected products	Additional information