

# Temperature Accessories

## Contact Probes

### 80PK-1 and 80PJ-1 Bead Probe

- 80PK-1 : Type-K thermocouple for general purpose applications
- 80PJ-1 operates with J-type thermometers
- Measurement range: -40 to 260°C



### 80PK-5A and 80PT-5A Piercing Probe

- 80PK-5A : Type-K thermocouple suitable for food industry, liquids and gels except halides and sulfides
- 80PT-5A operates with T-type thermometers
- Measurement range: -40 to 260°C



### 80PK-8 Pipe Clamp Temperature Probe

- Type-K thermocouple for fast temperature and superheat measurements of pipe surfaces
- Durable ribbon sensor
- Measurement range: -29 to 149°C for pipe diameters from 6.4 to 34.9mm



### 80BK Low-cost Integrated DMM Probe

- Type-K thermocouple with standard banana jack
- Convenient one piece construction
- Compatible with DMMs with temperature measurement functions
- Measurement range : -40 to 260°C



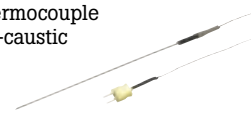
### 80PK-6A Exposed Probe

- Type-K thermocouple provides fast response for non-reducing air and gases, except halides, sulfides, and vacuums
- Measurement range: -40 to 816°C



### 80PK-9 and 80PJ-9 General Purpose Probe

- 80PK-9 : Type-K thermocouple surface, air and non-caustic gases
- 80PJ-9 operates with J-type thermometers
- Measurement range : -40°C to 260°C



### 80PK-2A Immersion Probe

- Type-K thermocouple for use in liquids and gels
- Measurement range: -40 to 982°C



### 80PK-7 Industrial Surface Probe

- Type-K thermocouple for surfaces in rugged environment
- Durable ribbon sensor
- Measurement range: -127 to 600°C



### 80T-150U Universal Temperature Probe

- Compatible with Fluke DMM
- High accuracy, fast reading for low voltage (below 24Vac, 60V dc) applications
- Measurement range: -50 to 150°C
- Output: 1mV/°C or 1mV/°F (switchable)



### 80PK-3A Surface Probe

- Type-K thermocouple for flat or curved surfaces such as plates and rollers
- Measurement range: 0 to 260°C



### 80PK-4A Air Probe

- Type-K thermocouple for use in air or gases, except halides and sulfides
- Bead protected by perforated baffle
- Measurement range: -40 to 816°C



### 80TK Thermocouple Module

- Converts a DMM to a thermometer
- For use with type-K thermocouples in low voltage applications (below 24Vac, 60V dc)
- Measurement range: -50 to 1000°C (probe dependent)



# Temperature Accessories

## Non-Contact Probes

### 80T-IR & 80PK-IR Infrared Temperature Probes

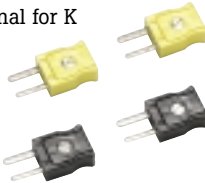
- Ideal for applications where object being measured cannot be touched
- Provides instant and highly repeatable readings
- 80T-IR (for DMMs) and 80PK-IR (for digital thermometers) have automatic shut-off after 10 minutes
- Senses infrared energy emitted by an object
- Measurement range: -18 to 260°C



## Other Temperature Accessories

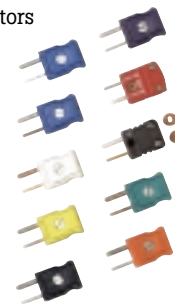
### 80CK-M & 80CJ-M type K & J Male Mini-Connectors

- Isothermal screw terminal for K or J wire
- Suitable for up to 20 gauge thermocouple wire
- Color coded to industry standards (K-yellow, J-black)
- Two per package



### Thermocouple Plug Kits 700TC1

- A kit of 10 mini-plug connectors
- Type J (black), one
  - Type K (yellow), one
  - Type T (blue), one
  - Type E (purple), one
  - Type R/S (green), one
  - Type B or CU (white), one
  - Type L (J-DIN) (blue), one
  - Type U (T-DIN) (brown), one
  - Type C (red), one
  - Type N (orange), one



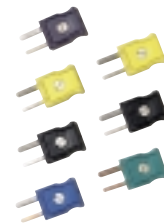
### 80AK

- Adapts Type-K thermocouple mini-connector to dual banana plug inputs
- Measurement range and accuracy: probe dependent
- Suitable for low voltage applications (below 30V AC, 60V DC)



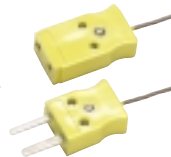
### 700TC2

- A kit of 7 mini-plug connectors
- Type J (black), two
  - Type K (yellow), two
  - Type T (blue), one
  - Type R/S (green), one



### 80PK-EXT, 80PJ-EXT and 80PT-EXT Extension Wire Kits

- Extending and repairing J, K or T-type thermocouple wires
- Kit includes 3 meters of thermocouple wire and 1 pair of male/female mini-connectors
- Maximum continuous exposure temperature : 260°C
- 80PK-EXT is compatible with K-type thermometers, 80PJ-EXT is designed for J-type thermometers and PT-EXT for T-type thermometers



Temperature Probe Compatibility Chart

	7-300 / 7-600	10 / 11 / 12 / 12B	16	27	70 Series III	73 Series III	21/75 Series III	23/77 Series III	26/79 Series III	8060A / 8062A	83 Series III	85 Series III	87 Series III	187 Series	189 Series	867B	39 / 41B	123	190 Series	43	45	50S/50D	51/52/53/54, series II	30 / 31 / 32 / 33 / 36	705	712	713	714	715	716	717	718	724	725	741B	743B	744	787			
<b>Contact Probes</b>																																									
80PK-1 through 80PK-9		2	1	1	1	1	1	1	1	1	1	1	1	2	2	1							1	1																1	
80T-150U	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●							●	●																	
80PI-1, 80PJ-9																																									
80PT-5A																																									
80BK			●											●	●								●	●																	
<b>Non-Contact Probes</b>																																									
80T-IR	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●																									
80PK-IR		2												2	2								●	●																	
<b>Miscellaneous</b>																																									
80AK			●											●	●																										
80TK	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●																									
80CK-M																							●	●																	
80CJ-M																							●	●																	
80PK-EXT, 80PJ-EXT																							●	●																	
80PT-EXT																							●	●																	



*this product is available from:*



**Thurlby Thandar Instruments Ltd.**

Glebe Road, Huntingdon  
Cambs. PE29 7DR England

**Tel: 01480 412451**

Fax: 01480 450409

email: [sales@tti-test.com](mailto:sales@tti-test.com)

web: [www.tti-test.com](http://www.tti-test.com)

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