

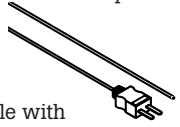
# Temperature Accessories

## Contact Probes

### 80PK-1 & 80PJ-1 Bead Probes

This basic, inexpensive thermocouple offers good accuracy and fast response. (Not suitable for liquid immersion.)

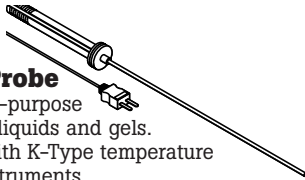
- 80PK-1 is compatible with K-type thermometers; 80PJ-1 works with J-Type thermometers
- Measurement range: -40 to 260° C (-40 to 500° F)



### 80PK-2A Immersion Probe

Use as a general-purpose probe including liquids and gels.

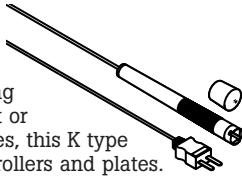
- Compatible with K-Type temperature measuring instruments
- Measurement range: -40 to 982° C (-40 to 1800° F)



### 80PK-3A Surface Probe

Designed for measuring the temperature of flat or slightly convex surfaces, this K type probe is ideal for hot rollers and plates.

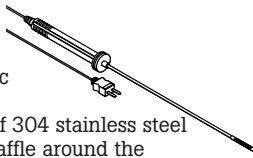
- Exposed junction allows direct contact with the surface being measured
- Measurement range: 0 to 260° C (32 to 500° F)



### 80PK-4A Air Probe

For air and non-caustic gas applications.

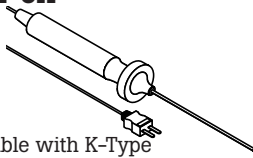
- Probe constructed of 304 stainless steel with a perforated baffle around the measurement bead
- Measurement range: -40 to 816° C (-40 to 1500° F)



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

Designed for foods, liquids and gels.

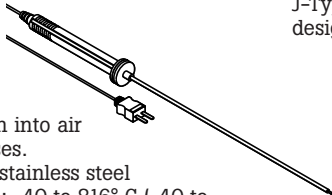
- Probe made of 304 stainless steel
- 80PK-5A is compatible with K-Type instruments; 80PT-5A is designed for use with T-Type thermometers
- Measurement range: -40 to 260° C (-40 to 500° F)



### 80PK-6A Exposed Probe

Use both as a surface probe and for insertion into air and non-corrosive gases.

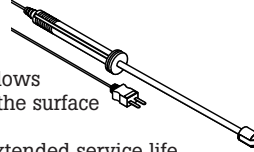
- Probe made of 304 stainless steel
- Measurement range: -40 to 816° C (-40 to 1500° F)



### 80PK-7 Industrial Surface Probe

For flat or slightly curved surfaces.

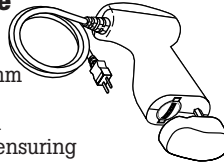
- Exposed junction allows direct contact with the surface being measured
- Robust design for extended service life
- Measurement range: -127 to 600° C (-196° F to 1112° F)



### 80PK-8 Pipe Clamp Temperature Probe

Designed for pipe surfaces from 6.4 mm (1/4") diameter to 34.9 mm (1-3/8") diameter.

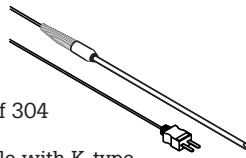
- Spring-action jaw will not loosen over time, ensuring repeatable measurements
- Robust design for extended service life
- Measurement range: -29° C to 149° C (-20° F to 300° F)
- Repeatability: 0.56° C (1° F)



### 80PJ-9 & 80PK-9 General Purpose Probes

Use as surface probe and for insertion into air and non-caustic gases.

- Probe constructed of 304 stainless steel
- 80PK-9 is compatible with K-type thermometers; 80PJ-9 operates with J-Type
- Measurement range: -40 to 260° C (-40 to 500° F)



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

For extending and repairing J, K or T-type thermocouple wires.

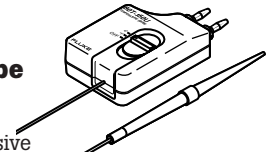
- Kit includes 3 meters (approx. 9 feet) of thermocouple wire and 1 pair of male/female mini-connectors
- Maximum continuous exposure temperature: 260° C (500° F)
- 80PK-EXT is compatible with K-type thermometers; 80PJ-EXT is designed for J-Type thermometers, and 80PT-EXT is designed for T-type thermometers



### 80T-150U Universal Temperature Probe

For highly accurate measurement of air, surface, and non-corrosive materials.

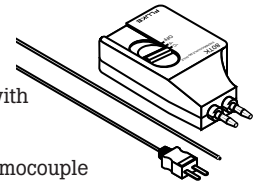
- Measurement range: -50° C to 150° C (-58° F to 302° F)
- Output: 1mV/°C or 1mV/°F (switch selectable)



### 80TK Thermocouple Module

Converts multimeters with a mV range into digital thermometers.

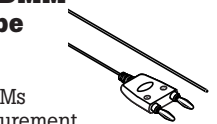
- Converts K-type thermocouple signals into mV output.
- Connects to DMM via standard bannana plugs
- Switch selectable °C or °F
- Range: -50° C to 1000° C (-58 to 1832° F)



### 80BK Integrated DMM Temperature Probe

Compatible with the Fluke 16 and Fluke 89 Series IV and other DMMs with temperature measurement functions.

- K-type thermocouple with standard banana jack
- Convenient one-piece construction
- Measurement range: -40 to 260° C (-40 to 500° F)



## Temperature Accessories

### Non-Contact Probes

#### **80T-IR, 80T-IR/E & 80PK-IR Infrared Surface Temperature Probes**

##### **80PK-IR**

Compatible with Fluke 50 Series thermometers and Fluke 16 and 89 IV DMMs, this probe measures the temperature of objects that can't be touched.

- Senses infrared energy emitted by an object
- Instant, highly repeatable readings
- Measurement range: -18 to 260° C (0 to 500° F)
- Automatic shut-off after 10 minutes extends battery life

##### **80T-IR**

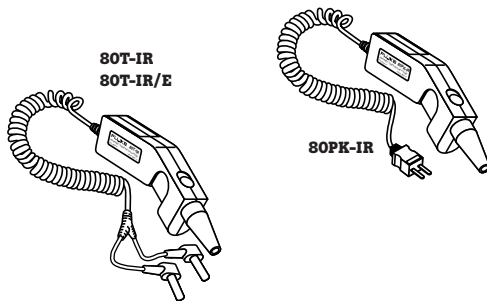
For quick, non-contact temperature measurement in less than one second; Compatible with most DMM's

- Instantly measures temperatures from -18° C to 260° C (0 to 500° F)
- Highly repeatable readings displayed in °C or °F
- Optical resolution 4:1
- Output 1mV/°C or 1mV/°F (switch selectable)

##### **80T-IR/E**

This special version of the 80T-IR has:

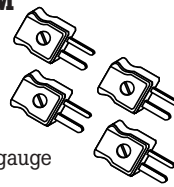
- An extended measurement range: 32° to 1,000 °F
- Measures °F only (no °C)



### 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



#### **80AK**

Adapts Type-K thermocouple mini-connector to dual banana plug inputs

- Allows the Fluke 89IV or Fluke 16 multimeters to be used with any K-type thermocouple accessory
- Measurement range and accuracy is not affected by the 80AK adapter



#### **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

##### **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

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