

ACCESSORIES

Precision PRTs

Fluke Calibration offers these and other precision thermometer probes to meet the needs of a wide variety of industrial calibration applications. When ordering a PRT, indicate the length of the probe and the type of readout it will connect to by adding the following extensions to the model number: For length use (-6 for 6 in, -9 for 9 in or -12 for 12 in). To indicate the model of the readout use (-P for 1523/1524, -L for 1586A, -A for 914X, and -D for 917X). For example a 6-inch 5627A used with a model 1523 Precision Thermometer readout would be ordered as a 5627A-6-P.

5627A Precision Industrial PRT

This precision PRT for industrial applications is vibration and shock resistant, and comes with an accredited calibration certificate. The calibrated accuracy is ± 0.046 °C and temperature range of -200°C to 420 °C make it ideal for many industrial temperature applications. This probe is available in 6 in, 9 in and 12 in configurations and a version with a 90 degree bend is also available for convenience with use in tight spaces.

5615 Secondary Reference Temperature Standards

When accuracy and temperature range are critical, the 5615 Secondary Reference Temperature Standards are the way to go, with a calibrated accuracy of ± 0.010 °C at 0 °C and a temperature range of -200 °C to 420 °C. These probes come with an accredited calibration certificate. They are available in 6 in, 9 in, and 12 in configurations.

5622 Fast Response PRTs

These RTDs have small probe diameters ranging from 0.5 mm to 3.2 mm for time constants as fast as 0.4 seconds. They meet DIN/IEC Class A requirements for interchangeable use and also come with an accredited calibration certificate.

5606 Full Immersion PRT

The 5606 Full Immersion PRT is specially designed to allow the entire probe, including the transition junction and cable, to be placed into a freezer or furnace without damaging the probe. It has a temperature range from -200 °C to 160 °C and a calibration accuracy of ± 0.05 °C (full range).

Dry-well inserts

Dry-wells are designed with a set of interchangeable inserts that contain holes bored into them matching standard diameters used for RTDs, PRTs, and thermocouples. Each set of inserts is designed and optimized for the size and temperature range of a specific dry-well model. Hole patterns matching a variety of probe sizes in both metric and imperial units are available for each dry-well.



Thermocouples

Fluke 700TC1 Thermocouple Mini-Plug Kit (11 types)

For use with: Fluke 700, 720 or 750 Series Process Calibrators, Fluke 714 Thermocouple Thermometer.

Description: 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

Fluke 700TC2 Thermocouple Mini-Plug Kit Type J, K, T, E, R/S

For use with: Fluke 700, 720 or 740 Series Process Calibrators, Fluke 714 Thermocouple Thermometer.

Description: A kit of seven mini-plug connectors:

- Type J (black), two
- Type K (yellow), two
- Type T (blue), one
- Type E (purple), one
- Type R/S (green), one

Temperature probes

These temperature probes expand the functionality of Fluke thermometers, while offering the same rugged reliability of Fluke test tools.

General purpose measurements

80PJ-1 or 80PK-1 Bead Probe

Type J or K thermocouple probe for general-purpose applications. Ideal for troubleshooting.

- 1 m (39 in) lead
- 1 mm (0.04 in) probe with Teflon® insulation
- Measurement range: -40 °C to 260 °C (-40 °F to 500 °F)

80PJ-9 or 80PK-9 General Purpose Probe

Type J or K thermocouple probe for air and non-caustic gases. The sharp tip pierces pipe insulation and the flat surface makes good contact.

- 1 m (39 in) lead
- 15.25 cm (6 in) stainless steel probe
- Measurement range: -40 °C to 260 °C (-40 °F to 500 °F)

80PK-26 SureGrip™ Tapered Temperature Probe

Type K thermocouple probe with tapered tip for speedy air, surface, non-caustic gas, and liquid measurements.

- 1 m (39 in) lead
- 203 mm (8 in) stainless steel probe
- Measurement range: -40 °C to 816 °C (-40 °F to 1500 °F)

Surface measurements

80PK-3A Surface Probe

Type K thermocouple with exposed junction for flat or slightly convex surfaces such as plates and rollers.

- 1.3 m (4 ft) lead
- 9.525 cm (3.75 in) probe with Teflon® insulation
- Measurement range: 0 °C to 260 °C (32 °F to 500 °F)

80PK-27 SureGrip™ Industrial Surface Temperature Probe

Type K thermocouple probe for surfaces in rugged environments.

- 1 m (39 in) lead
- 20.32 cm (8 in) stainless steel probe
- Measurement range: -127 °C to 600 °C (-197 °F to 1112 °F)

Piercing measurements

80PK-25 or 80PT-25 SureGrip™ Piercing Temperature Probe

Type K or T thermocouple suitable for food industry, liquids, and gels. Sharp tip pierces solid surfaces.

- 1 m (39 in) lead
- 10.16 cm (4 in) stainless steel probe
- Measurement range:
 - Type K: -40 °C to 350 °C (-40 °F to 662 °F)
 - Type T: -196 °C to 350 °C (-321 °F to 662 °F)

Air measurements

80PK-24 SureGrip™ Air Temperature Probe

Type K thermocouple probe for air and non-caustic gas measurements.

- 1 m (39 in) lead
- 21.59 cm (8.5 in) Inconel® probe
- Bead protected by perforated baffle
- Measurement range: -40 °C to 816 °C (-40 °F to 1500 °F)

Immersion measurements

80PK-22 SureGrip™ Immersion Temperature Probe

Type K thermocouple probe for use in liquids and gels.

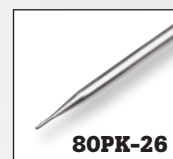
- 1 m (39 in) lead
- 21.27 cm (8.375 in) Inconel® probe
- Measurement range: -40 °C to 1090 °C (-40 °F to 1994 °F)



80PK-1



80PK-9



80PK-26



80PK-24



80PK-3A



80PK-27



80PK-25



80PK-22

Pipe measurements

80PK-8 and 80PK-10 Pipe Clamp Temperature Probe

Type K thermocouple clamps securely to pipes for fast temperature and superheat measurements.

- Durable ribbon sensor
- 1 m (39 in) lead
- 80PK-8 for pipe diameters 6.4 mm to 34.9 mm (0.25 in to 1.375 in)
- 80PK-10 for pipe diameters 32 mm to 64 mm (1.25 in to 2.5 in)
- Measurements are repeatable to 0.56 °C (1 °F)
- Measurement range: -29 °C to 149 °C (-20 °F to 300 °F)

80PK-11 Type-K Velcro® Thermocouple Temperature Probe

Type K Velcro cuff for use with any temperature-measuring instrument that accepts type K thermocouples.

- Use multiples and leave in place for route-based routine maintenance
- 1 m (39 in) lead
- 48 cm (19 in) Velcro® cuff
- Measurement range: -30 °C to 105 °C (-22 °F to 221 °F)



Other temperature accessories

HART Dry-Well Communication Cable

An interface cable kit that includes a null modem to connect the Fluke 754 Documenting Process Calibrator with Fluke Calibration dry-wells and Micro-Baths to automate and document the calibration of temperature sensors and transmitters in the field or at the bench.

80CJ-M or 80CK-M Male Mini-Connectors

Type J or K thermocouple, suitable for up to 20-gauge thermocouple wire.

- Isothermal screw terminal for J wire
- Two per package

80PJ-EXT, 80PK-EXT, or 80PT-EXT Extension Wire Kit

This kit extends and repairs type J, K, or T thermocouple wires for thermometers.

- Includes 3 m (118 in) of thermocouple wire and one pair of male/female mini-connectors
- Maximum continuous exposure temperature: 260 °C (500 °F)

