TEMPERATURE ACCESSORIES

	Bead		HVAC	Immersion	Surface	Air	Piercing	General Purpose	Industrial Surface	Pipe Clamp
	80BK-A	80PK-1 80PJ-1	80PK-11	80PK-22	80PK-3A	80PK-24	80PK-25 80PT-25	80PK-26	80PK-27	80PK-8
Lowest Temperature	-40° C (-40° F)		-30° C (-22° F)	-40° C (-40° F)	0° C (32° F)	-40° C (-40° F)	Type K: -40° C (-40° F) Type T: -196° C (-321 °F)	-40° C (-40° F)	-127° C (-196° F)	-29° C (-20° F)
Highest Temperature	260° C (500° F)		105° C (221 °F)	1090° C (1994 °F)	260° C (500°F)	816° C 1500 °F)	350° C (662 °F)	816° C (1500°F)	600° C (1112 °F)	149° C (300 °F)
Probe Material	Type K wire with teflon insulation		Velcro	Inconel 600	Type K sensor with teflon body	Inconel	316 Stainless Steel	304 Stainless Steel	304 Stainless Steel	Type K sensor with PVC body
Probe Length	1 m (3.3 ft) lead wire		48.26 cm (19 in) Velcro cuff	21.27 cm (8.375 in)	9.52 cm (3.75 in)	21.59 cm (8.5 in)	10.16 cm (4 in)	21.57 cm (8.5 in)	20.32 cm (8 in)	for pipes from 6.4 mm (0.25 in) to 34.9 mm (1.375 in)
Cable Length	1 m (3.3 ft)				1.3 m (4 ft)	1 m (3.3 ft)				
Connection	Standard banana jack	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug	Molded thermocouple plug
SureGrip Handle	No	No	No	Yes	No	Yes	Yes	Yes	Yes	No
Key Feature	Ideal for initial troubleshooting. Can be secured in place with a magnet.		Velcro probe allows hands-free temperature measurement.	For use in liquids or in gels.	Exposed junction for direct contact with flat or slightly convex surfaces.	Perforated baffle for air and non-caustic gas measurements.	Probe material safe for use in foods. Sharp tip pierces solid surfaces.	Use for general purpose air or surface measurements.	Low conductivity stainless steel minimizes thermal shunting. Extra rugged.	Clamps securely to pipe. Measurements are repeatable to 0.56° C (1° F)
Thermocouple Types	K	K, J	K	K	K	K	K, T	K	K	K

Temperature Compatibility

Model Number	80AK-A	80BK-A	All 80PK Probes	80PJ-1/ 80PJ-9	80PT-25	80TK	80T-150UA	80PJ-EXT	80PK-EXT	80PT-EXT	80CK-M	80CJ-M	80PR-60
110/114/115/ 116/117	116	116	♦						▲		▲		
27 II						•	•		✱		✱		
175/177			✱			•	•		✱		✱		
179	•	•	▲						▲		▲		
87V	•	•	▲						▲		▲		
287/289	•	•	▲				•		▲		▲		
8845/8846			✱			•	•		✱		✱		
43B			✱			•	•		✱		✱		
120/B Series			✱			•	•		✱		✱		
190/-II Series			✱			•	•		✱		✱		
51/52/53/54 II			•	•	•			•	•	•	•	•	
63													66/68
714			•	•	•			•	•	•	•	•	
715			✱			•	•		✱		✱		
725/726			•	•	•			•	•	•	•	•	
787B/789			✱			•	•		✱		✱		
902	•	•	•						•				
1587 FC	•	•	▲						▲		▲		
1577	•		▲										
561			•										

• Compatible; ✱ Requires 80TK; ▲ Requires 80AK-A; ♦116 only: requires 80AK-A

Temperature Accessories

80PJ-1 or 80PK-1 Bead Probe

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

- 1 mm 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.

- 15.25 cm stainless steel probe
- Measurement range: -40° C to 260° C (-40° F to 500° F)

80PK-26 SureGrip™ Tapered Probe

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

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

80PK-3A Surface Probe

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

- 9.52 cm probe with Teflon™ insulation
- Measurement range: 0° C to 260° C (-40° F to 500° F)

80PK-27 SureGrip™ Industrial Surface Temperature Probe

Type K thermocouple probe for surfaces in rugged environments.

- 1 m lead
- 20.32 cm stainless steel probe
- Measurement range: -127° C to 600° C (-196° F to 1112° F)

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

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

- 1 m lead
- 10.16 cm 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 932° F)

80PK-24 SureGrip™ Air Probe

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

- 1 m 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)

80PK-22 SureGrip™ Immersion Probe

Type K thermocouple probe for use in liquids and gels.

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

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

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

- Durable ribbon sensor
- 80PK-8 for pipe diameters 6.4 mm to 34.9 mm
- 80PK-10 for pipe diameters 32 mm to 64 mm
- Measurements are repeatable to 0.56° C
- Measurement range: -29° C to 149° C (-20° F to 300° F)

80PK-11 Type-K Velcro™ Thermocouple 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
- 48 cm Velcro™ cuff
- Measurement range: -30° C to 105° C (-22° F to 221° F)

80PK-18 Pipe Clamp Temperature Probe Kit

- Includes both 80PK-8 and 80PK-10 Type K clamps
- Provides full range of pipe measurement sizes
- Includes soft carrying case

80PR-60 RTD Temperature Probe

This probe expands the utility of an RTD non-contact infrared thermometer by simultaneously taking contact and non-contact temperature readings.

- For use with the Fluke 66 and 68 Infrared Thermometers
- 90 mm platinum 1 kΩ probe
- 3.5 mm phono type jack
- Measurement range: -40° C to 260° C (-40° F to 500° F)

80AK-A Thermocouple Adapter

Adapts type K thermocouple mini-connector to dual shrouded 4 mm banana plug inputs.

- Measurement range and accuracy: probe dependent
- Suitable for low voltage applications (below 30 V AC, 60 V DC)

80BK-A Integrated DMM Temperature Probe

Convenient, integrated type K thermocouple probe with standard shrouded 4 mm banana jack.

- Compatible with Fluke DMM with temperature measurement functions
- Measurement range: -40° C to 260° C (-40° F to 500° F)

80TK Thermocouple Module

This module converts a DMM to a thermometer and is designed for use with type K thermocouples in low voltage applications.

- Voltage range: below 24 V AC, 60 V DC
- Measurement range: -50° C to 1000° C (-58° F to 1,832° F) (probe dependent)

80T-150UA Universal Temperature Probe

Adapts any DMM using shrouded 4 mm banana plugs. This fast, accurate integrated probe is designed for low-voltage applications.

- For air, surface, and non-corrosive applications
- Voltage range: below 24 V AC, 60 V DC
- 15.7 cm probe tip
- Measurement range: -50° C to 150° C (-58° F to 302° F)
- Output: switchable, from 1 mV/° C to 1 mV/°F