

Fluke Temperature Accessories

80TK Thermocouple Module

Converts any 10 MΩ DMM into a thermometer via standard banana plugs. Uses K-type thermocouple with mini-connectors. Switch-selectable for °C or °F. Use with interchangeable probes described below (one 80PK-1 Bead Probe included). Basic accuracy: $0.5\% \pm 2^\circ\text{C}$ ($0.5\% \pm 3.6^\circ\text{F}$).

MP80TK



Temperature Probes For 80TK and 50 Series Handheld Thermometers (not pictured)

Following interchangeable K-type probes include mini-connectors for use with 80TK, and Fluke 50 Series Meters, or other temperature-measuring instruments that accept mini-connectors.

80PJ-1 Bead Probe, Type J

80PK-1 Bead Probe, Type K

For use with Fluke 50 Series. General purpose applications, Teflon tape insulation. Not suitable for liquid immersion. Measurement range: -40°C to 260°C (-40°F to 500°F).

MP80PJ-1

MP80PK-1



80PK-2A Immersion Probe

For liquids and gels. Protected from tip to handle by an Inconel sheath, can be used in most general temperature measurement applications. Measurement range: -40°C to 982°C (-40°F to 1800°F).

MP80PK-2A



80PK-3A Surface Probe

For flat or slightly convex surfaces. Ideal for measurement of hot rollers and plates. Measurement range: 0°C to 260°C (32°F to 500°F).

MP80PK-3A



80PK-4A Air Probe

For air and gases. Measuring bead is protected by perforated Stainless Steel baffle. Not for immersion in liquid. Measurement range: -40°C to 816°C (-40°F to 1500°F).

MP80PK-4A



80PK-5A Piercing Probe, Type K

80PT-5A Piercing Probe, Type T

Made of 316 stainless steel suitable for food service. Also suitable for liquids and gels. Measurement range: -40°C to 260°C (-40°F to 500°F).

MP80PK-5A
MP80PT-5A



80T-150U Universal Temperature Probe

This accessory converts any DMM into a digital thermometer. The general purpose probe is permanently attached to the signal conditioning module, and is suitable for measurement of air, surfaces, and non-corrosive liquids. Switch-selectable for readout in °F or °C. Basic accuracy is $\pm 1^\circ\text{C}$, range is -50 to $+150^\circ\text{C}$.

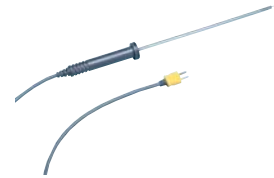
MP80T-150U



80PK-6A Tapered Probe

Fast responding probe for general purpose and surface measurements. Measurement range: -40°C to 816°C (-40°F to 1500°F).

MP80PK-6A



80PK-7 Industrial Surface Probe

(1112°F) 303SS 8".

MP80PK-7



80PK-8 Pipe Clamp

Temperature probe for pipes from $\frac{1}{4}$ " up to $1\frac{3}{8}$ ". Range -20 to 300°F .

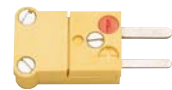
MP80PK-8



80CK-M Male Mini-Connectors

Package of two male mini-connectors for attachment of K-type thermocouple wire.

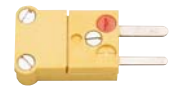
MP80CK-M



80CJ-M Male Mini-Connector

Same as 80CK-M, for J-type thermocouple wire. For use with Fluke 50 Series.

MP80CJ-M



80PJ-9 Lance Tip Probe, Type J

80PK-9 Lance Tip Probe, Type K

MP80PJ-9

MP80KJ-9



80PJ-EXT T/C Extension Kit, Type J

80PK-EXT T/C Extension Kit, Type K

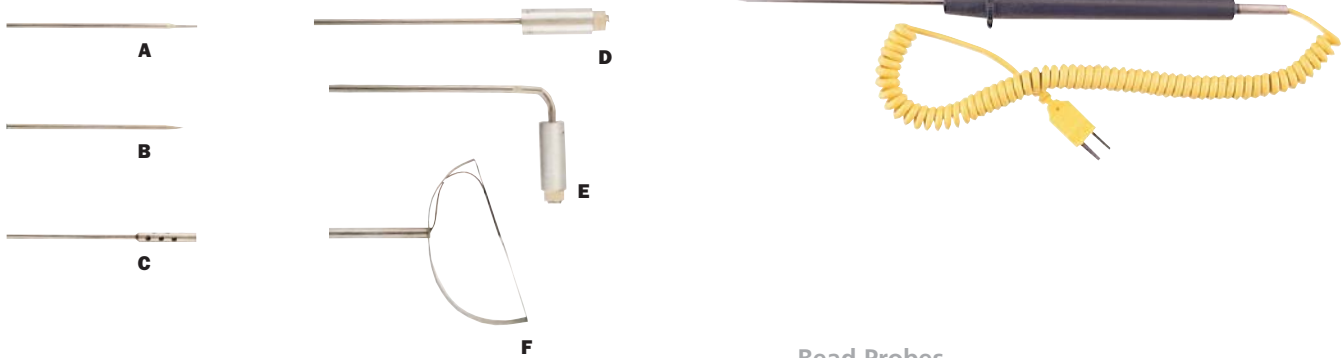
80PT-EXT T/C Extension Kit, Type T

MP80PJ-EXT
MP80PK-EXT
MP80PT-EXT



Transcat Thermocouple Probes

Probe Tips



Bead Probes

Order #	Description	Price
MP5821T-J	Bead Probe Type J	
MP5821T-K	Bead Probe Type K	

Specifications

Probe/Description	Dimensions	Type	Max. Temp.	Order #	Price
A Heavy-duty penetration probe. For soft or hard ground and semi-frozen materials. Grounded tip. 316 SS sheath. Time constant: 10 sec (liquids).		J K T	1400°F/760°C 1650°F/900°C 700°F/370°C	MP5755T-J MP5755T-K MP5755T-T	
B Heavy-duty general-purpose probe. For liquids, gases, or surfaces of small objects. Grounded tip. 316 SS probe. Time constant: 3 sec (liquids).		J K T	1400°F/760°C 1650°F/900°C 700°F/290°C	MP5756T-J MP5756T-K MP5756T-T	
C Air and gas temperature probe. Built-in perforated tip shield. 316 SS probe. Time constant: 45 sec at 5 m/sec air flow.		J K T	570°F/300°C	MP5757T-J MP5757T-K MP5757T-T	
D Surface temperature probe. Quick-responding; use on hot surfaces such as furnaces. 316 SS probe. Time constant: 6 seconds.		J K T	1200°F/650°C 1200°F/650°C 650°F/343°C	MP5760T-J MP5760T-K MP5760T-T	
E 90° angle surface probe. For hard-to-reach surface applications. 316 SS probe. Time constant: 6 sec.		J K T	1200°F/650°C 1200°F/650°C 650°F/345°C	MP5759T-J MP5759T-K MP5759T-T	
F Roller surface probe. For moving rollers and similar convex surfaces. 304 SS probe. Time constant: 15 seconds (metals).		J K	600°F/315°C	MP5761T-J MP5761T-K	

Thermocouple Assemblies



◀ Mating connector and clamp included

Quick Connect Thermocouples — Ordering Information (Specify Model Number)

Thermocouple Alloy	Sheath Dia.	Model No. 12" Length	Price		Model No. 18" Length	Price		Model No. 24" Length	Price		Price Per Add'l Ft
			G/E	U		G/E	U		G/E	U	
Iron-Constantan 304SS Sheath	J	1/16"	JOSS-116(*)-12/N		JOSS-116(*)-18/N		JOSS-116(*)-24/N				
		1/8"	JOSS-18(*)-12/N		JOSS-18(*)-18/N		JOSS-18(*)-24/N				
		3/16"	JOSS-316(*)-12/N		JOSS-316(*)-18/N		JOSS-316(*)-24/N				
		1/4"	JOSS-14(*)-12/N		JOSS-14(*)-18/N		JOSS-14(*)-24/N				
Chromel-Alumel 304SS Sheath	K	1/16"	KOSS-116(*)-12/N		KOSS-116(*)-18/N		KOSS-116(*)-24/N				
		1/8"	KOSS-18(*)-12/N		KOSS-18(*)-18/N		KOSS-18(*)-24/N				
		3/16"	KOSS-316(*)-12/N		KOSS-316(*)-18/N		KOSS-316(*)-24/N				
		1/4"	KOSS-14(*)-12/N		KOSS-14(*)-18/N		KOSS-14(*)-24/N				
Chromel-Constantan 304SS Sheath	E	1/16"	EQSS-116(*)-12/N		EQSS-116(*)-18/N		EQSS-116(*)-24/N				
		1/8"	EQSS-18(*)-12/N		EQSS-18(*)-18/N		EQSS-18(*)-24/N				
		3/16"	EQSS-316(*)-12/N		EQSS-316(*)-18/N		EQSS-316(*)-24/N				
		1/4"	EQSS-14(*)-12/N		EQSS-14(*)-18/N		EQSS-14(*)-24/N				
Copper-Constantan 304SS Sheath	T	1/16"	TOSS-116(*)-12/N		TOSS-116(*)-18/N		TOSS-116(*)-24/N				
		1/8"	TOSS-18(*)-12/N		TOSS-18(*)-18/N		TOSS-18(*)-24/N				
		3/16"	TOSS-316(*)-12/N		TOSS-316(*)-18/N		TOSS-316(*)-24/N				
		1/4"	TOSS-14(*)-12/N		TOSS-14(*)-18/N		TOSS-14(*)-24/N				



◀ Mating connector and clamp included

Molded Transition Junctions — Ordering Information (Specify Model Number)

Thermocouple Alloy	Sheath Dia.	Model No. 12" Length	Price		Model No. 18" Length	Price		Model No. 24" Length	Price		Price Per Add'l Ft
			G/E	U		G/E	U		G/E	U	
Iron-Constantan 304SS Sheath	J	1/16"	JTSS-116(*)-12/N		JTSS-116(*)-18/N		JTSS-116(*)-24/N				
		1/8"	JTSS-18(*)-12/N		JTSS-18(*)-18/N		JTSS-18(*)-24/N				
		3/16"	JTSS-316(*)-12/N		JTSS-316(*)-18/N		JTSS-316(*)-24/N				
		1/4"	JTSS-14(*)-12/N		JTSS-14(*)-18/N		JTSS-14(*)-24/N				
Chromel-Alumel 304SS Sheath	K	1/16"	KTSS-116(*)-12/N		KTSS-116(*)-18/N		KTSS-116(*)-24/N				
		1/8"	KTSS-18(*)-12/N		KTSS-18(*)-18/N		KTSS-18(*)-24/N				
		3/16"	KTSS-316(*)-12/N		KTSS-316(*)-18/N		KTSS-316(*)-24/N				
		1/4"	KTSS-14(*)-12/N		KTSS-14(*)-18/N		KTSS-14(*)-24/N				
Chromel-Constantan 304SS Sheath	E	1/16"	ETSS-116(*)-12/N		ETSS-116(*)-18/N		ETSS-116(*)-24/N				
		1/8"	ETSS-18(*)-12/N		ETSS-18(*)-18/N		ETSS-18(*)-24/N				
		3/16"	ETSS-316(*)-12/N		ETSS-316(*)-18/N		ETSS-316(*)-24/N				
		1/4"	ETSS-14(*)-12/N		ETSS-14(*)-18/N		ETSS-14(*)-24/N				
Copper-Constantan 304SS Sheath	T	1/16"	TTSS-116(*)-12/N		TTSS-116(*)-18/N		TTSS-116(*)-24/N				
		1/8"	TTSS-18(*)-12/N		TTSS-18(*)-18/N		TTSS-18(*)-24/N				
		3/16"	TTSS-316(*)-12/N		TTSS-316(*)-18/N		TTSS-316(*)-24/N				
		1/4"	TTSS-14(*)-12/N		TTSS-14(*)-18/N		TTSS-14(*)-24/N				

Quick disconnect style ▶



Subminiature Thermocouple Probes Ordering Information (Specify Model Number)

Thermocouple Alloy	Sheath Dia.	Model No. 6" Length	Price		Model No. 12" Length	Price		Price Per Add'l. 6"
			G/E	U		G/E	U	
Iron-Constantan 304SS Sheath	J	0.010"	JMQSS-010(*)-6/N		JMQSS-010(*)-12/N			
		0.020"	JMQSS-020(*)-6/N		JMQSS-020(*)-12/N			
		0.032"	JMQSS-032(*)-6/N		JMQSS-032(*)-12/N			
		0.040"	JMQSS-040(*)-6/N		JMQSS-040(*)-12/N			
		0.062"	JMQSS-062(*)-6/N		JMQSS-062(*)-12/N			
		0.125"	JMQSS-125(*)-6/N		JMQSS-125(*)-12/N			
Chromel-Alumel 304SS Sheath	K	0.010"	KMQSS-010(*)-6/N		KMQSS-010(*)-12/N			
		0.020"	KMQSS-020(*)-6/N		KMQSS-020(*)-12/N			
		0.032"	KMQSS-032(*)-6/N		KMQSS-032(*)-12/N			
		0.040"	KMQSS-040(*)-6/N		KMQSS-040(*)-12/N			
		0.062"	KMQSS-062(*)-6/N		KMQSS-062(*)-12/N			
		0.125"	KMQSS-125(*)-6/N		KMQSS-125(*)-12/N			
Chromel-Constantan 304SS Sheath	E	0.010"	EMQSS-010(*)-6/N		EMQSS-010(*)-12/N			
		0.020"	EMQSS-020(*)-6/N		EMQSS-020(*)-12/N			
		0.032"	EMQSS-032(*)-6/N		EMQSS-032(*)-12/N			
		0.040"	EMQSS-040(*)-6/N		EMQSS-040(*)-12/N			
		0.062"	EMQSS-062(*)-6/N		EMQSS-062(*)-12/N			
		0.125"	EMQSS-125(*)-6/N		EMQSS-125(*)-12/N			
Copper-Constantan 304SS Sheath	T	0.020"	TMQSS-020(*)-6/N		TMQSS-020(*)-12/N			
		0.032"	TMQSS-032(*)-6/N		TMQSS-032(*)-12/N			
		0.040"	TMQSS-040(*)-6/N		TMQSS-040(*)-12/N			
		0.062"	TMQSS-062(*)-6/N		TMQSS-062(*)-12/N			
		0.125"	TMQSS-125(*)-6/N		TMQSS-125(*)-12/N			

*Specify junction type: E (exposed), G (grounded), or U (ungrounded).