





## **Wide-Application Handheld Thermocouple Meters & Probes**

• NIST units include a certificate of calibration 
Direct-connect probes do not have a cord Handheld thermocouple meters are used with different probes to measure surface and ambient temperatures, as well as for immersion and penetration applications. Can be used to measure contact temperature inputs on motors, insulation, breakers, pipes, connections, liquids, and wires with J-, K-, or T-type thermocouple temperature sensors. Commonly used for general preventative maintenance in industrial, HVAC, and electrical applications.

Data-logging meters can be used with compatible devices such as PCs or smartphones.

## Type K Probes—Compression-fitting

probes securely mount temperature sensors that measure liquid, air, and gas. Built with strong 316 stainless steel components that resist high temperatures and corrosion. Commonly used with pyrometers for measuring the temperature of fuel and exhaust gas in extreme temperatures and harsh environments.

or cable and are not intended for permanent or fixed installations. Also known as quickdisconnect probes, they consist of a sensor and 3-pin connection type. Often used where quick installation and removal are important requirements of the measuring device.

Flex-wire probes have an insulated cable with a beaded junction on the sensing end. The terminal end is connected to a meter or

Handheld probes have a straight or coiled cable with a terminal connection like a mini plug or 3-pin connector that pairs them with a meter or receiver. Commonly used for manual inspection, maintenance, and other general temperature measurements.







CTANDADD

6RGL2

For Thermocouple Type		Temp. Range (F)	Res.	Accuracy	Data Output Type	Included Probes	No. of Channels	Brand	STANDARD Item No.	NIST Item No.	
<b>Wide-Application Har</b>	ndheld Thermocoup	le Meters									
Type K -	-100° to 500°		0.1°, 1°	±0.9°F/±0.5°C	None	MicroNeedle Probe Model 55040	_	Cooper Atkins	_	3LZC5	
			0.1°, 1°	±0.9°F/±0.5°C	None	DuraNeedle Probe Model 55032	_	Cooper Atkins	_	3LZA6	
	-100° to 999°		0.1°	±0.5°F/±0.3°C	None	50209-K Probe		Cooper Atkins		3LZA2	
			0.1°, 1°	±0.5°F/±0.3°C	None			Cooper Atkins	_	3TPP5	
	-200° to 1999°		0.1°	±0.3% +2°F/1°C	None	(2) Type K Bead Wire Temperature Probe	2	Extech	1ZKY2	1ZKY4	
Type E, Type J,		832°, Type J -346° to 2192°,	0.1°C, 1°C	±0.05% + 0.3°C	USB	(2) 80PK-1 Bead Probe		Fluke	4YV90	4YV89	
Type K, Type T	Type K -328° to 25	501°, Type T -418° to 752°	0.1°C, 1°C	±0.05% + 0.3°C	USB	(1) 80PK-1 Bead Probe		Fluke	4YV88	4YV87	
Type J, Type K	Type J -328° to 19	922°, Type K -328° to 2498°	0.2°F/0.1°C	±0.05% +0.6°F/0.3°C	None	(2) Type K Bead Temperature Probe	2	Extech	4PC60	6RGK5	
	Type J -346° to 20	012°, Type K -328° to 2501°	0.1°, 1°	±0.15% +1°C	None	Type K Bead Wire Temperature Probe	1	Extech	5GCD1	5GCD2	
<b>Data-Logging Wide-A</b>	pplication Handhel	d Thermocouple Meters									
Type K	-58° to 1999°		0.1°, 1°	±0.3% +2°F/1°C	None	Type K Bead Wire Temperature Probe	1	Extech	1LYR5	1LYR6	
Type E, Type J, Type K, Type N, Type R, Type S, Type T	1994°, Type K -20	598°, Type J -200° to 10° to 1999°, Type N /pe R 32° to 1999°, Type /pe T -200° to 752°	0.1°	±0.05% +1.5°F/+0.75°C (Types J, K, E, T, N), ±0.05% +4°F/+2°C (Types R, S)	RS-232, SD Card	(2) Type K Bead Wire Temperature Probe	2	Extech	3WU66	6RGL2	
	Type E -238° to 18	332°. Type J -346° to	0.1°C, 1°C	±0.05% + 0.3°C	USB	(1) 80PK-1 Bead Probe	_	Fluke	6MRN0	6MRN2	
	2192°, Type K -328° to 2501°, Type N -328° to 2372°, Type R 32° to 3212.6°, Type S 32° to 3212.6°, Type T -418° to 752°		0.1°C, 1°C	±0.05% + 0.3°C	USB	(2) 80PK-1 Bead Probe	_	Fluke	6MRN1	6MRN3	
T	Probe Temperature Range Length		Probe Diameter		Cable Material			Cable		Item	
Compression Fitting 1		Length	Probe Dia	imeter	Cable	wateriai		Length		No.	
Air. Liquid	ineimocoupie rion	ies .									
	-40° to 400°F/-40° to 205°C 7.3 in		0.188 in Flexible		Stainless Steel Armored Sheath			30 in		PEX6	
Direct Connect Therm		7.0 111	0.100	III I I I I I I I I I I I I I I I I I	otalilioss o	tool Alliforda Olicatii		00 III		LAU	
Air. Gas. Liquid											
,,		6 in	0.125	in Ma	gnesium C	xide Insulation		6 in	30	GL14	
-325° to 2.280°F/-2	0000 +0 1 05000	12 in	0.125 in N		lagnesium Oxide Insulation			12 in		GK71	
-323 10 2,200 F/-	200 10 1,250 6	18 in	0.125		Magnesium Oxide Insulation		18 in			GK72	
		24 in	0.125	in Ma	Magnesium Oxide Insulation			24 in		GK79	
Flex-Wire Probes											
Air, Gas											
-328° to 400°F/-		15 ft	0.188			er Jacket	101	15 ft		PEY8	
-100° to 500°F/-73° to 260°C 4 in		4 in	0.125	in Po	Polyurethane Outer Jacket		12 in (C	12 in (Coiled)/48 in (Extended)		PEY3	
Air, Gas, Liquid	700 +- 01000	0.40 :	0.05		4-:-1 04	! 0		40 :		PEX9	
-100° to 600°F/-73° to 316°C Air. Liquid		2.13 in	0.25	iii S	Stainless Steel Overbraid			43 in		rexy	
-40° to 500°F/-40° to 260°C		5.5 in	0.188	0.188 in Stainle		ss Steel Overbraid		35 in		PEY7	
Air, Liquid, Surface						,					
-40° to 400°F/-40° to 204°C		4 ft	0.188	in	Te	flon		4 ft	3	LRX6	

Silicone Outer Jacket

Polyurethane Outer Jacket

Polyurethane Outer Jacket

Polyurethane Outer Jacket

Polyurethane Jacket

0.375 in 0.438 in

0.438 in

0.5 in

4.5 in

4 in

5 in

7.9 in

dheld Thermocouple Probes -40° to 400°F/-40° to 205°C

-40° to 500°F/-40° to 260°C

-40° to 1,202°F/-40° to 650°C

-58° to 932°F/-50° to 500°C -4° to 450°F/-20° to 232°C

3PEV9

3PEW9 3PEY1

161D92

12 in (Coiled)/48 in (Extended) 12 in (Coiled)/48 in (Extended)

12 in (Coiled)/48 in (Extended)

39 in 36 in