

Electrothermal Pyrometers



Temperature Probes

Probe Adapters

Adapters provide a convenient means to hold a temperature probe in a vessel with a free neck and standard taper. These adapters provide an air tight seal for moderate vacuum work. Teflon® body has polypropylene extracting nut and Viton® O-ring. Adapters accept 0.25" (0.64 mm) diameter probes. Available for 10/18, 14/20, 19/22 and 24/40 tapered joints.

Rigid Stainless Steel Probes

Probes fit traditional apparatus an glassware without modifications. Their rigid 316 stainless steel sheaths are 0.25" (0.64 mm) in diameter, roughly the same as traditional glass thermometers. Available with or without Teflon coating, all have 6' (183cm) lead wires.

Glass-Probe™ Corrosion Resistant Thermocouples

Patented quartz glass probe is highly resistant to most chemicals and thermal shock. Sheath is the same diameter as standard laboratory thermometers, 0.25" (0.64mm), so it is compatible with common thermometer adapters, clamps and apparatus. The glossy quartz sheath may be cleaned more thoroughly than metals, Teflon or other glasses. Usable up to 500°C.

Bendable Stainless Steel Probes

Probes have bendable 316 stainless steel sheaths that are 0.16 mm diameter. They may be used straight or gently bent to suit your application. Probe has connector that plugs into extension cord.

Extension Cords

These extensions are made from appropriate thermocouple wire to minimize their effect on temperature readings. Straight extension cords are 130 cm long. Extendible cords stretch to 120 cm.

ORDERING INFORMATION

Model #	Description	Sheath Dimensions		Immersion Depth Inches (cm)	Minimum Extension Cable Inches (cm)	Flexible Coiled Temp Range °C	Ratings Time Constant (Seconds)	US List Price
		Inches (cm) L	Diameter					
8303	Rigid S/S Probe, Type K T/C	12 (30.5)	.25 (.63)	50 mm	72 (183)	-20 to 900°C	10	\$124.00
8306	Rigid S/S Probe, Type K w/PFA Teflon® coating	12 (30.5)	.25 (.63)	50 mm	72 (183)	-20 to 250°C	20	\$147.00
8304	Rigid S/S Probe, Type J T/C	12 (30.5)	.25 (.63)	50 mm	72 (183)	-20 to 760°C	10	\$124.00
8307	Rigid S/S Probe, Type J w/PFA Teflon coating	12 (30.5)	.25 (.63)	50 mm	72 (183)	-20 to 250°C	20	\$147.00
8003	Glass-Probe (quartz), Type K T/C	12 (30.5)	.25 (.63)	25 mm	79 (200.7)	-200 to 500°C	11	\$274.00
8004	Glass-Probe (quartz), Type J, T/C	12 (30.5)	.25 (.63)	25 mm	79 (200.7)	-200 to 500°C	11	\$274.00
8005	Glass-Probe (quartz), Type K T/C	18 (46.0)	.25 (.63)	25 mm	79 (200.7)	-200 to 500°C	11	\$309.00
8007	Glass-Probe (quartz), Type J T/C	24 (60.9)	.25 (.63)	25 mm	79 (200.7)	-200 to 500°C	11	\$342.00
8403	Bendable s/s probe, Type K (requires extension cord)	12 (30.5)	.06 (.16)	16 mm	-	-20 to 900°C	2	\$106.00
8404	Bendable s/s probe, Type J (requires extension cord)	12 (30.5)	.06 (.16)	16 mm	-	-20 to 760°C	2	\$106.00
8503	Straight Extension, Type K	51 (129.5)	-	16 mm	51.2 (130)			\$43.00
8504	Straight Extension, Type J	51 (129.5)	-	-	51.2 (130)			\$43.00
8505	Extendible extension, Type K	47 (119.4)	-	-	47.25 (120)			\$53.00
8203	Adapter for 10/18 joints	-	-	-	-	-	-	\$43.00
8204	Adapter for 14/20 joints	-	-	-	-	-	-	\$44.00
8205	Adapter for 19/22 joints	-	-	-	-	-	-	\$49.00
8206	Adapter for 24/40 joints	-	-	-	-	-	-	\$49.00

*Five time constants are needed to reach 99% of final reading