

## Thermolyne Pyrometers



# Temperature Probes

### General Purpose Immersion Probe

A fast-responding stainless steel probe; ideal for measuring air, liquid, semi-liquid, and granular materials. It is field bendable to meet the configuration required for hard-to-reach locations. Choose from three sizes: 6", 10" and 18".

APPLICATION: General purpose use, liquids, air, molds, ovens and furnaces.

### Penetration Probe

A sharp-tip stainless steel probe for measuring the internal temperature of soft and semi-frozen materials.

APPLICATION: Food, tissue cultures, rubber and plastic.

### Air Probe

A fast-responding, perforated, stainless steel probe for measuring gas or air temperature.

APPLICATION: Moving air, gases in heating and cooling units, furnaces and engine exhaust.

### Angled Surface Probe

A ruggedly constructed stainless steel shaft with an open-ended surface probe for providing a fast response. Sensing head has a flat, low-mass grounded tip and is spring-loaded for solid contact.

APPLICATION: Hot plates, molds and semi-conductors.

### Beaded Wire Probe

A fast-responding exposed junction probe for measuring the precise temperature of small items. The low mass of the exposed tip prevents heat dissipation.

APPLICATION: General lab use for hot plates, platens, molds and heating tapes.

### Thermocouple Adapter

Adapter connects the meter to the terminal block of your instrument to monitor and calibrate temperature.

## ORDERING INFORMATION

Model #	Description	Sheath Dimensions Inches (cm)		Flexible Coiled Extension Cable Inches (cm)	Thermocouple Type	Ratings Temp Range °C (°F)	Time Constant* (Seconds)	US List Price
		L	Diameter					
TC405X1	General Purpose	6 (15.2)	.13 (.33)	36	K	-160 (-256)-1100 (2012)	1	\$123.00
TC405X2	General Purpose	10 (25.4)	.13 (.33)	36	K	-160 (-256)-1100 (2012)	1	\$123.00
TC405X3	General Purpose	18 (45.7)	.13 (.33)	36	K	-160 (-256)-1100 (2012)	1	\$154.00
TC405X4	Penetration	6 (15.2)	.13 (.33)	36	K	-160 (-256)-1100 (2012)	1	\$122.00
TC405X5	Air	6 (15.2)	.13 (.33)	36	K	-160 (-256)-1100 (2012)	5	\$122.00
TC405X6	Surface	6.5 (16.5)	.13 (.33)	36	K	-160 (-256)-538 (1000)	3	\$122.00

The above temperature probes are complete with flexible cable, yellow ANSI coded subminiature thermocouple connector and a 4" plastic handle with a maximum exposure temperature of 105°C. All probes are grounded and use a Type K thermocouple.

TC405X7	Beaded Wire	36	—	—	538 (1000)	8		\$42.00
TC405X8	Adapter Assy	40	—	—	—	—		\$42.00

\*Five (5) time constants are needed for and accurate measurement (99% of final reading.)