

Thermocouple Probes

DIGITAL THERMOMETERS AND PROBES

Wire Thermocouple Probes: For gas, surface or liquid measurements. These 3-ft. long probes have fiberglass-insulated, 24-ga. wires welded at the tips. (6-ft. long/8712-6). Time constant: 1 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

TC TYPE	MAX TEMP	MODEL
K	480 °C (900 °F)	8712
K	480 °C (900 °F)	8712-6

General Purpose Probes: For measuring liquids, gases, or small-area surfaces. Sheath: 304 SS. 3-ft. vinyl-clad straight cord. Time constant: 1 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

TC TYPE	MAX TEMP	MODEL
K	900 °C (1650 °F)	8713
J	760 °C (1400 °F)	8723

Penetration Probes: Ideal for measurement of meats, plastics, and other semi-soft materials. Sheath: 304 SS. 1 $\frac{1}{2}$ -ft. (ext. 5-ft.) coil cord with Thermoplastic Rubber jackets. Time constant: 2 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

TC TYPE	MAX TEMP	MODEL
K	900 °C (1650 °F)	8714A

Surface Probes: For monitoring hot plates, furnaces, molds and other hot solid surfaces. Exposed thermocouple junction provides quick response upon direct contact. Sheath: 304 SS. 3-ft. vinyl-clad straight cord. Time constant: 3 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

TC TYPE	MAX TEMP	MODEL
K	400 °C (750 °F)	8715

Air/Gas Probes: For measuring atmospheres in hoods, ducts and vents. Perforation pattern in shield is designed to prevent radiation-induced tip heating so air/gas temperature measurements are more accurate. Sheath: 304 SS. 3-ft. straight cord. Time constant: 3 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

K	300 °C (570 °F)	8716
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Compact General Purpose/Immersion Probes: Multi-purpose, for measuring air, liquids, soft materials, e.g., water, ice cream, etc. Sheath: 316 SS. TPR coil cord 1 $\frac{1}{2}$ -ft (ext. 5-ft.). Time constant: 1 second. Accuracy:

TC TYPE	MAX TEMP	MODEL
K	200 °C (390 °F)	8733
T	200 °C (390 °F)	8753

8733 $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$
8753 $\pm 1.0\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

Compact Penetration Probes: For measuring semi-soft materials within a restricted temperature range. Sheath: 316 SS. TPR coil cord 1 $\frac{1}{2}$ -ft (ext. 5-ft.). Time constant: 1 second. Accuracy: $\pm 2.2\text{ }^{\circ}\text{C}$ or $\pm 0.75\%$

TC TYPE	MAX TEMP	MODEL
K	200 °C (390 °F)	8734

