Penetration and machine threaded-tip probes with new tee-style 304 stainless steel handle are ideal for industry use or frozen food applications. The probe’s 304 SS thick wall tube ensures strong and rigid performance. Each probe comes with 305 mm (1’) of RSC cable that stretches to 1.5 m (5’). The sensing element is ¼” OD and 203 mm (8”) long. Temperature range is from sub-zero to 425°C (800°F) for Type E, to 480°C (900°F) for Type K. * Specify thermocouple Type: J, K, T, E.

“Tee-Style” Penetration Probe

Penetration and machine threaded-tip probes with new tee-style 304 stainless steel handle are ideal for industry use or frozen food applications. The probe’s 304 SS thick wall tube ensures strong and rigid performance. Each probe comes with 305 mm (1’) of RSC cable that stretches to 1.5 m (5’) and a male miniature connector. The probe features a 6.4 mm (0.25”) Dia., with a 250 mm (10”) immersion length from the tip to handle. The handle is 75 mm (3”) in length. Maximum temp rating: 480°C (900°F) for Type K, 425°C (800°F) for Type E.

Fine Tip TJ Probe

Fine tip transition joint thermocouple, 150 mm (6”) long, with 304 SS sheath, ¼” OD. Supplied with 1.8 m (6’) PFA insulated wire with SMPW subminiature male connector. Tip has a 0.5 mm (0.020”) diameter sensing mass.

* Specify calibration: J, K, T or E
** Specify sheath: SS (for 304 stainless steel) or IN (for Inconel 600). Consult sales for 316 SS sheath.

Ordering Example:
TJFT72-K-SS-116G-6-SMPW-M, Type K, 304 SS sheath.
Specialty Thermocouple Probes
Low-Profile Penetration Probe

88310(*)
* Specify calibration: K or E

This probe features a low-profile hypodermic tip and convenient handle for short depth penetration of soft materials such as rubber. A grounded junction, 300 mm (1') of retractable cable [which stretches to 1.5 m (5)] and a subminiature male connector are standard. The handle is rated to 162°C (325°F).

Autoclave Probe

This 1.6 mm (0.063") diameter 304 SS probe, with stainless steel transition junction, is perfect for the food industry, steam washdown applications or general heavy duty use. It features 3.3 m (11') of 1.6 mm (0.062") mineral insulated coiled cable, 1 m (3') of PFA insulated thermocouple grade wire and a male subminiature connector.

Epoxy Coated Tip Thermocouple

TC-PVC-(*)-24-180

Purchase PVC insulated thermocouples with epoxy sealed junction tip either singly or in a pack of five. Supplied in 4.5 m (15') length† per sensor with subminiature male window connector and 24 gage solid polyvinyl rip-cord wire. Maximum Temp rating of 105°C (221°F). Stripped leads available in 5-pack.

† Other lengths available, consult Sales Department.

Add suffix “-SE” to model number.