

# Specialty Thermocouple Probes

## Heavy-Duty Penetration Probe

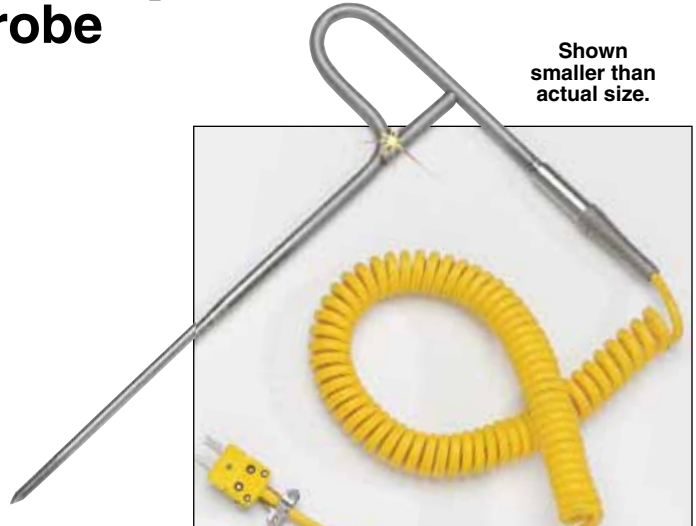
88313 (\*)



### Grounded Junction

This "T-bar construction" style probe is made from 304 SS to insure long term performance. Possible uses include the frozen food industry, or any industrial application where penetration is needed. Standard RSC coiled cable 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



88311(\*)

88312(\*)

Penetration Tip

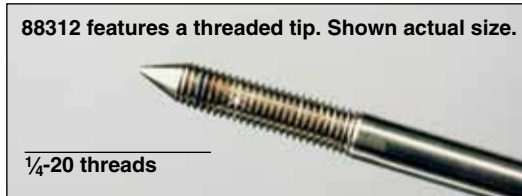
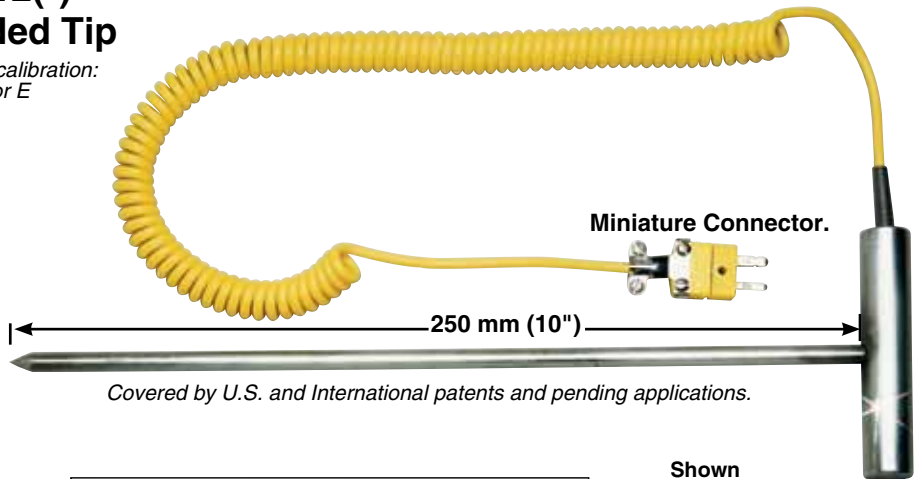
Threaded Tip

\* Specify calibration:  
K or E

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K or E

### Grounded Junction

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.



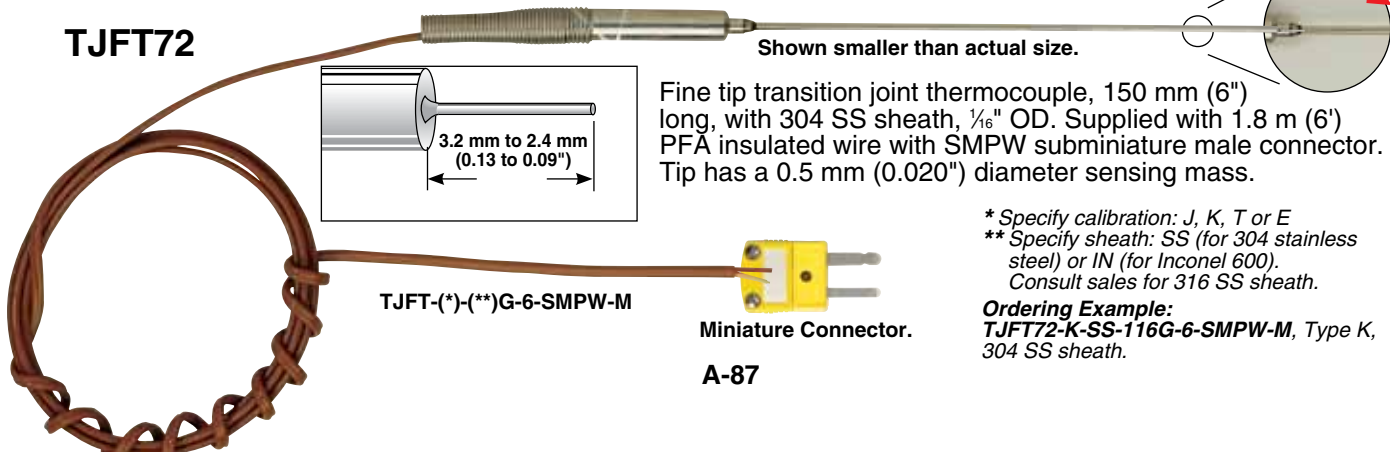
Shown smaller than actual size.

## Fine Tip TJ Probe



Shown actual size.

TJFT72



TJFT-(\*)-(\*\*)-G-6-SMPW-M

Miniature Connector.

A-87

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.

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## Low-Profile Penetration Probe

**88310(\*)**

\* Specify calibration: K or E



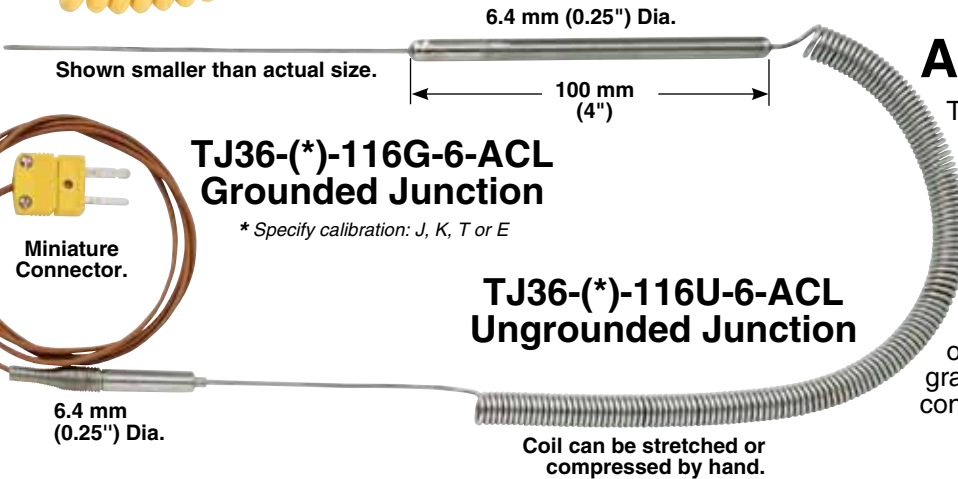
This probe features a low-profile hypodermic tip and convenient handle for short depth penetration of soft materials such as rubber. A grounded junction, 300 mm (1') of retractable cable [which stretches to 1.5 m (5)] and a subminiature male connector are standard. The handle is rated to 162°C (325°F).



Molded miniature connector. Shown smaller than actual size.

## 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.



**TJ36-(\*)-116G-6-ACL**  
**Grounded Junction**

\* Specify calibration: J, K, T or E

**TJ36-(\*)-116U-6-ACL**  
**Ungrounded Junction**



Miniature Connector.

6.4 mm (0.25") Dia.

Coil can be stretched or compressed by hand.

## 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') lengthst 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.

Miniature connector with write-on-window.



**5TC-PVC-(\*)-24-180**  
**pkg of 5**

\* Specify calibration: J, K, T or E

Shown smaller than actual size.

Add suffix "-SE" to model number.