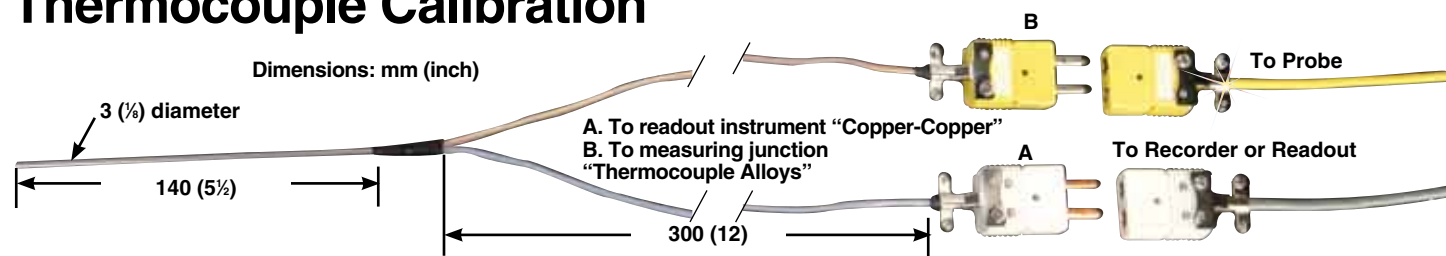


# Temperature Reference Probes

## With **Standard** Size Connectors for Thermocouple Calibration

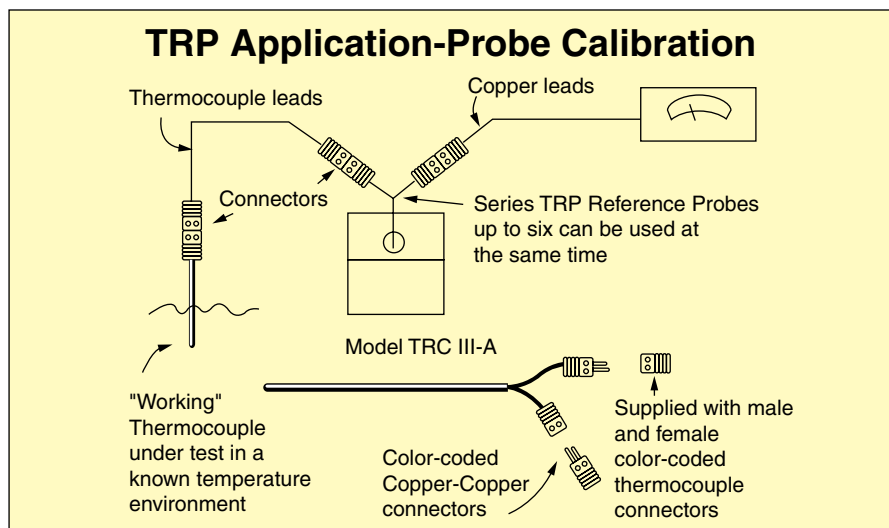
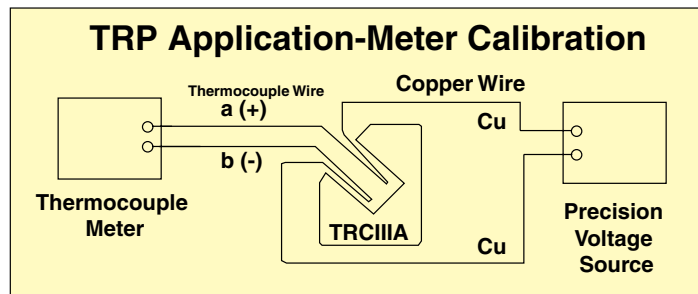


### TRP Series

MEETS OR EXCEEDS  
SPECIAL LIMITS  
OF ERROR (SLE)  
AND EN 60584-2:  
Tolerance Class 1

- ✓ All Standard Calibrations Available
- ✓ Comes Complete with Mating Connectors and Locking Clips
- ✓ Can Be Ordered with 300 mm (12"), 600 mm (24") or 900 mm (36") Leads
- ✓ 304 Stainless Steel Sheath Material

Accurate thermocouple temperature measurement requires a stable reference junction. It is common practice to create a transition reference junction by attaching a copper lead wire to each thermocouple leg. When the transition reference junction is held at the ice point 0°C (32°F) the output of the thermocouple appearing across the copper leads attached to the readout instrument is stable and predictable. For accuracy and convenience, OMEGA offers its series TRP REFERENCE PROBE which locates the thermocouple-copper transition reference junction at the end of an 1/8" diameter sheath for easy insertion into the TRCIII-A ice point calibration chamber. Up to six series TRP probes can be used at one time in OMEGA's ice point chamber. Use the temperature-millivolt tables to convert readings into °C or °F when using a voltmeter with the TRCIII-A ice point™ reference cell shown below.



Model TRCIII-A ice point™

OMEGA's TRP's are used in conjunction with ice point™ reference cells such as TRCIII-A, visit OMEGA for details.

To Order	Thermocouple Material Type	
	+	-
TRP-K*	CHROMEPA®	ALOMEGA®
TRP-N*	OMEGA-P®	OMEGA-N®
TRP-T*	Copper	Constantan
TRP-E*	CHROMEPA®	Constantan
TRP-J*	Iron	Constantan
TRP-S†	Platinum 10% Rh	Platinum
TRP-R†	Platinum 13% Rh	Platinum
TRP-B†	Platinum 30% Rh	Pt 6% Rh
TRP-C†	W 5% Re	W 26% Re
TRP-D†	W 3% Re	W 25% Re

\* Note: 12" leads are standard. For 24 or 36" long leads add suffix "-24" or "-36" to model number for an additional cost.

† Standard length is 6", for each additional 6" length there is an additional cost.

Ordering Examples: TRP-J-24. TRP-R-12.