

# ice point™ Calibration Reference Chamber

## High Precision Thermoelectric Chamber

### Uses Water to Maintain 0°C (32°F) Continuously

TRCIII-A  
**\$1475**  
 All Models



- ✓ New Stylish Design
- ✓ Portable Rugged Case for Use in the Factory, Calibration Laboratory, or Instrument Shop
- ✓ Built-in Temperature Readout with 0.1 (°F/°C) Resolution
- ✓ Accepts up to 6 Probes at One Time
- ✓ Calibration of All Probe Type Thermometers and Sensors



TRCIII-A, \$1475, shown smaller than actual size.

The ice point™ TRCIII-A Calibration Reference Chamber is the latest addition to OMEGA's fine line of calibration reference instrumentation.

The TRCIII-A ice point™ Reference Chamber relies on the equilibrium of ice and distilled, deionized water at atmospheric pressure to maintain 6 reference wells at precisely 0°C (32°F). Each well extends into a sealed cylindrical chamber containing the distilled deionized water. The outer walls of the chamber are cooled by thermoelectric cooling elements. The increase in volume produced by the creation of ice crystals within the cell is sensed by the expansion of a bellows, which operates a microswitch and

controls the cooling elements. The alternate freezing and thawing of the ice accurately maintains a 0°C (32°F) environment around the reference wells.

Probes sold separately; please see page K-14.

#### New Features

- ✓ 230 Vac CE Marked Models
- ✓ NIST Calibration Certificate Included
- ✓ Bench-Top Design with Tilt Handle Standard
- ✓ Illuminated Power Switch
- ✓ Companion hot point® Dry Block Probe Calibrator Available (Model CL900A/950A)

OMEGACARE™ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labor and equivalent loaners.

**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

**Specifications**

**Reference Wells:** 6 wells, 4.0 mm (1/8") ID, 95.25 mm (3 3/4") deep; wells are thermally and electrically grounded to each other; accepts 3 mm (1/8") OD probes

**Reference Temperature:** 0°C (32°F)

**Accuracy:** ±0.1°C (±0.18)

**Stability:** ±0.03°C (±0.07) for constant ambient

**Environmental Ambient:**

2 to 32°C (35 to 90°F)

**Power:** 115/230 Vac, 50 Hz, 104 W

**Stabilization Time:** 2 hours after initial power up

**Dimensions:**

203 H x 419 W x 305 mm D (8 x 16 1/2 x 12")

**Weight:** 11.8 kg (26 lb)

**To Order (Specify Model Number)**

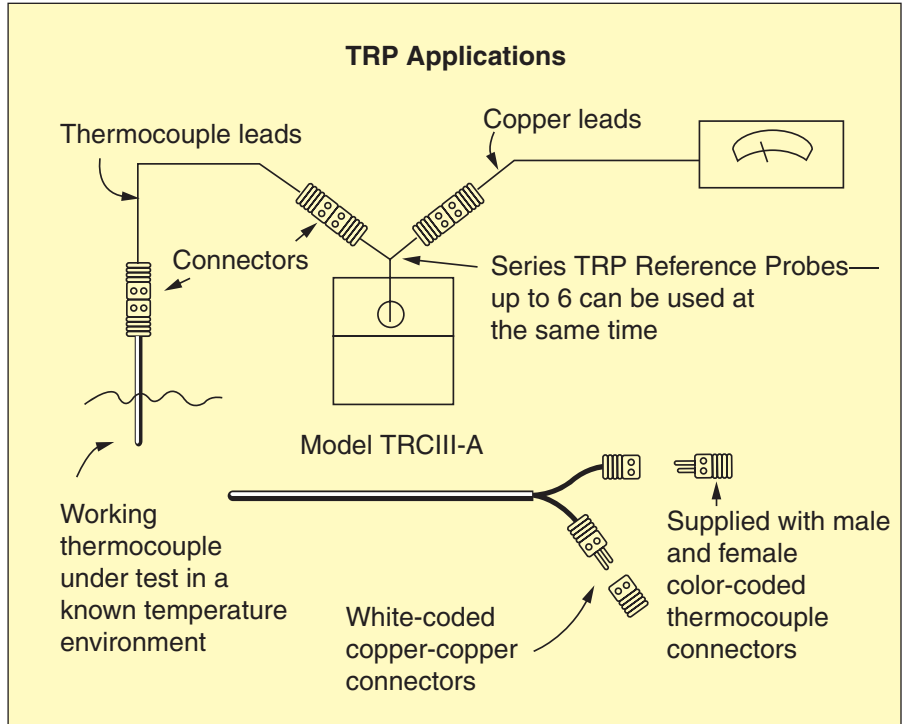
Model No.	Price	Description
TRCIII-A	\$1475	ice point™ reference, 120 Vac operation
TRCIII-A-230VAC	1475	ice point™ reference, 230 Vac operation

Comes with operator's manual and calibration certificate.

**Note:** Only 230 Vac model is available as CE marked.

**Ordering Example:** TRCIII-A, ice point™ reference cell, TRP-K, TRP-J, TRP-T, TRP-E, Type K, J, T and E temperature reference probes, \$1475 + 65 + 65 + 65 + 65 = **\$1735**.

**OCW-3, OMEGACARESM** extends standard 1-year warranty to a total of 4 years (\$350), \$1475 + 350 = **\$1825**.



**Caution:**  
Unit must not be allowed to freeze or damage will result.

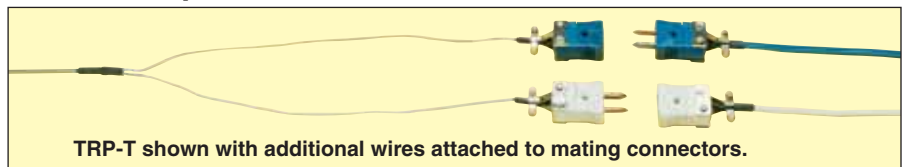
We make running changes when technical advances allow. Check at time of ordering for additional features.

**TRCIII-A Accessories**

**Thermocouple TRP Features**

- ✔ Made with Special Limits of Error Material
- ✔ All Standard Calibrations Available
- ✔ Comes Complete with Mating Connectors
- ✔ Can Be Ordered with 12, 24 or 36" Leads

**Thermocouple TRPs**



**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

Model No.	Price	Thermocouple Material Type	
		+	-
TRP-K	\$65	CHROMEGA®	ALOMEGA®
TRP-T	65	Copper	Constantan
TRP-E	65	CHROMEGA®	Constantan
TRP-J	65	Iron	Constantan
TRP-S	130	Platinum	Platinum 10% Rh
TRP-R	130	Platinum	Platinum 13% Rh
TRP-B	130	Platinum 30% Rh	Platinum 6% Rh
TRP-C	130	W 5% Re	W 26% Re
TRP-G	130	W	W 26% Re
TRP-D	130	W 3% Re	W 25% Re

For thermocouple Types J, K, T, E, standard length is 12". For 24" or 36" long leads add suffix "-24" or "-36" to model number, add \$4/ft.

For thermocouple Types R, S, B, C, G, D, standard length is 6". Add \$37 for each additional 6" and appropriate suffix.

K



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[www.omega.com](http://www.omega.com)  
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#### CANADA

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0800-8266342

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Manchester, England  
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Guyancourt, France  
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#### CZECH REPUBLIC

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Karviná, Czech Republic  
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### • Heaters

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