

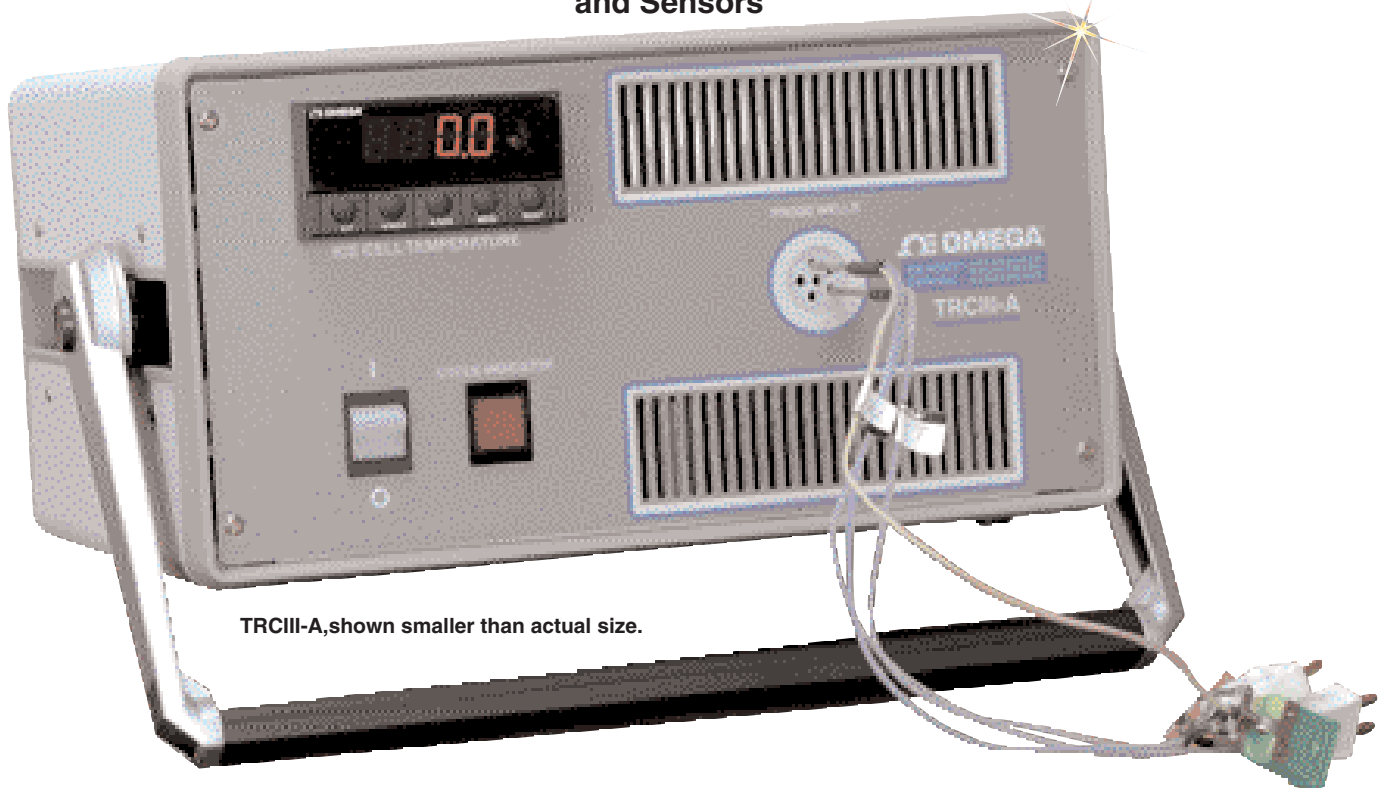
# ice point™ Calibration Reference Chamber

## High Precision Thermoelectric Chamber Uses Water to Maintain 0°C Continuously

TRCIII-A  
All Models



- ✓ New Stylish Design
- ✓ Portable Rugged Case for Use in the Factory, Calibration Laboratory, or Instrument Department
- ✓ 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, shown smaller than actual size.

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

The TRCIII-A ice point™ Reference Chamber relies on the equilibrium of ice and distilled, deionised water at atmospheric pressure to maintain 6 reference wells at precisely 0°C. Each well extends into a sealed cylindrical chamber containing the distilled deionised 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 environment around the reference wells.

Probes sold separately; please see page 275

### New Features

- ✓ 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 programme is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labour and equivalent loaners.

**AVAILABLE FOR FAST DELIVERY!**

**Specifications**

**Reference Wells:** 6 wells, 4.0 mm ID, 95.25 mm deep; wells are thermally and electrically grounded to each other; accepts 3 mm OD probes  
**Reference Temperature:** 0°C  
**Accuracy:** ±0.1°C (±0.18)  
**Stability:** ±0.03°C (±0.07) for constant ambient  
**Environmental Ambient:** 2 to 32°C  
**Power:** 230 Vac, 50 Hz, 104 W  
**Stabilisation Time:** 2 hours after initial power up  
**Dimensions:** 203 H x 419 W x 305 mm D  
**Weight:** 11.8 kg

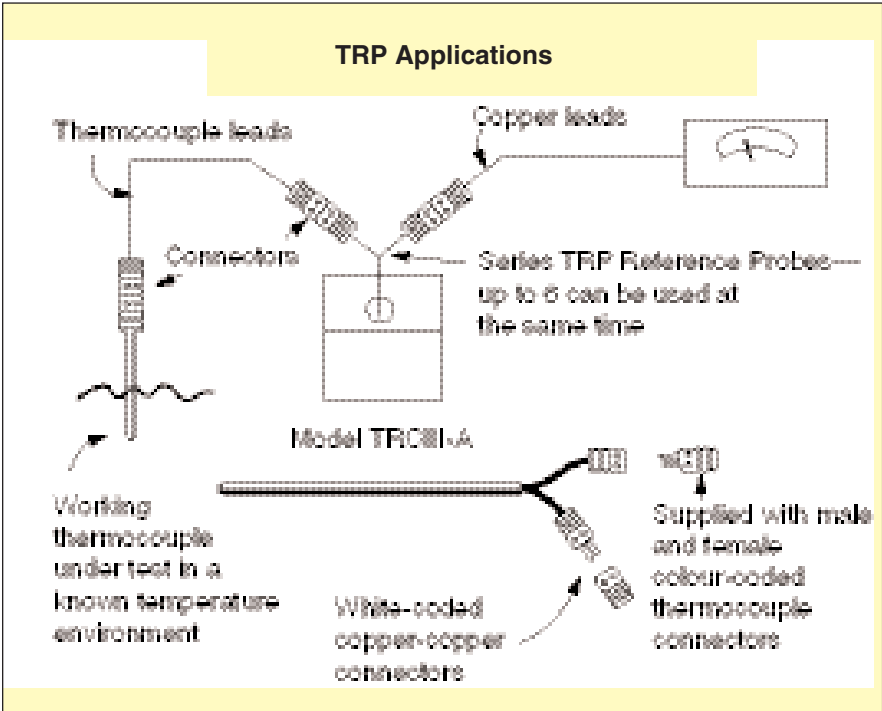
**To Order (Specify Model Number)**

Model No.	Description
TRCIII-A-230VAC	ice point™ reference, 230 Vac operation

*Comes with operator's manual and calibration certificate.*  
**Ordering Example:** TRCIII-A-230VAC, ice point™ reference cell, TRP-K, TRP-J, TRP-T, TRP-E, Type K, J, T and E temperature reference probes  
**OCW-3, OMEGACARE<sup>SM</sup>** extends standard 1-year warranty to a total of 4 years

**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.

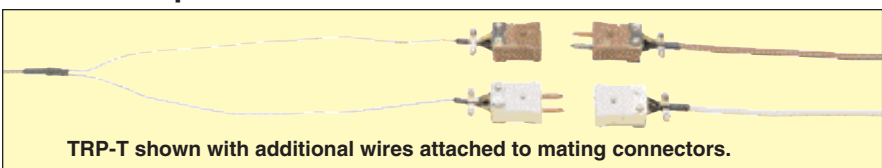


**TRCIII-A Accessories**

**Thermocouple TRP Features**

- ✔ Made with Class 1 Tolerance Material
- ✔ All Standard Calibrations Available
- ✔ Comes Complete with Mating Connectors
- ✔ Can Be Ordered with 300 mm, 600 or 1m Leads

**Thermocouple TRPs**



**ALL MODELS AVAILABLE FOR FAST DELIVERY!**

Model No.	Thermocouple Material Type	
	+	-
TRP-KI	CHROMEGA™	ALOMEGA™
TRP-TI	Copper	Constantan
TRP-E	CHROMEGA™	Constantan
TRP-J	Iron	Constantan
TRP-SI	Platinum	Platinum 10% Rh
TRP-RI	Platinum	Platinum 13% Rh
TRP-B	Platinum 30% Rh	Platinum 6% Rh
TRP-C	W 5% Re	W 26% Re
TRP-G	W	W 26% Re
TRP-D	W 3% Re	W 25% Re

*For thermocouple Types J, K, T, E, standard length is 300 mm. For 1 m long leads add suffix "1M" or to model number.*  
*For thermocouple Types R, S, B, C, G, D, standard length is 150 mm. Add for each additional 150 mm and appropriate suffix.*

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### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

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