

# Compact, Portable Temperature Calibrator

## Handheld or Benchtop Calibrator, Unit Weighs 4 kg (9 lb)

CL-355A



- ✓ 10 Insert Formats Available
- ✓ 1 Multi-Well Insert Included ( $\frac{1}{8}$ ,  $\frac{3}{16}$ ,  $\frac{1}{4}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ " )
- ✓ Maximum Operating Temperature of 400°C (752°F)
- ✓ Independent Over-Temperature Cutout
- ✓ Temperature Sensor Burnout Protection
- ✓ NIST-Traceable Calibration Certificate Included
- ✓ Shoulder Carrying Strap, Mains Cable and Insert Removal Tool Included

The CL-355A is a small, light-weight, portable dry block calibrator, that offers fast heat-up and cool-down times with excellent performance specifications at a wide operating temperature range. It's a good choice for standard bench lab work or as a portable field unit.

The unit covers the temperature range from 5°C (9°F) above ambient up to 400°C (752°F) using a large multi-well machined aluminum insert block as the heat transfer medium to the sensors under test. The CL-355A uses the same aluminum inserts as the CL-740A calibrator. See CL-700A series at [omega.com/cl-700a](http://omega.com/cl-700a) for a list of inserts.

This calibrator is designed to work safely under the following conditions: ambient temperature range: 5 to 40°C (9 to 104°F), up to 95% relative humidity, non-condensing.



CL-355A

Insert removal tool included.

Multi-well insert included.

### Specifications

**Minimum Temperature:** 5°C (9°F) above ambient  
**Maximum Temperature:** 400°C (752°F)  
**Cooling Rate, 400 to 100°C (752 to 212°F):** 21 min  
**Heating Rate, 20 to 400°C (68 to 752°F):** 12 min  
**Independent Over-Temperature Cutout:** 450°C (842°F) approx  
**Fan Cooling:** Automatic  
**Display Resolution:** 0.1°  
**Weight:** 4 kg (9 lb)  
**Insert Immersion Depth:** 114 mm (4.5")  
**Dimensions:** 222.25 H x 203.2 W x 203.2 mm D (8.8 x 7.9 x 7.9")

**Stability After 15 Min:** ±0.15°C (0.27°F)  
**Display Accuracy:** ±0.6°C (1.1°F)  
**Well to Well Uniformity:** 0.015 to 0.025°C (0.027 to 0.045°F)



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

### To Order

Model No.	Description
CL-355A	Portable block calibrator, 120 Vac
CL-355A-230	Portable block calibrator, 240 Vac

### Accessory

Model No.	Description
CL-350A-CASE	Carrying case for CL-355A

Comes complete with operator's manual, multi-well insert, insert removal tool, NIST certificate, and power cord 1.8 m (6').

**Ordering Example:** CL-355A, portable block calibrator, 120 Vac. OCW-2, OMEGACARE<sup>SM</sup> extends standard 3-year warranty to a total of 5 years.