Dry Block Calibrators Comega With a More Rugged and Lightweight Case

CL-780A Series



- Housed in a Rugged Metal Case for Field Use
- RS232 Computer Interface for Data and Program Transfer or Real Time Control
- High Accuracy and Stability for Certifying Temperature Sensors and Hydraulic Thermostats
- ✓ Fast Setting Time for Rapid Testing
- Large Interchangeable Insert Format for Flexibility of Use
- Fast Heat-Up and Cool-Down Times
- Improved Uniformity and Control Stability of the Temperature Zone
- ✓ Display Resolution: 0.01
- NIST-Traceable Calibration Certificate Included



The CL-700A Series models are shipped ready for use right out of the box complete with AC power cord, insert removal tool, NIST-traceable calibration and RS232 interface.

The CL-700A Series range is covered by an industry leading 3-year parts and labor warranty.

The CL-700A Series models use the same inserts as previous models, o you can easily upgrade without the need to replace any custom inserts you may already have. See series CL-700A, at Omega for a list of inserts. For those who want to run a unit from a PC we offer Calsoft software which is free for download.

Specifications

CL-770A

Minimum Temperature: 45°C (113°F) below ambient Maximum Temperature: 140°C (284°F) Temperature Accuracy: ±0.3°C (32.5°F)

Temperature Uniformity (Radial): ±0.2°C (32.3°F)

Temperature Stability

(After 10 Minutes): ±0.05°C (32.09°F)

Display Resolution: 0.01°C or 0.1°F **Setpoint Resolution:** 0.1°C or 0.1°F

Heating Rate, 20 to 100°C (68 to 212°F): 5 minutes Cooling Rate, 100 to 0°C (212 to 32°F): 9 minutes

Large Well Inserts: 38 x 114.3 mm

(1.5 x 4.5") **Dimensions:**

267 H x 206 W x 290 mm D (10.7 x 8.1 x 11.4") Weight: 12.7 kg (28 lb) RS232 Interface: Included

CL-780A

Minimum Temperature: 20°C (68°F) above ambient **Maximum Temperature:**

425°C (797°F)

Temperature Accuracy:

±0.3°C (32.5°F)

Temperature Uniformity (Radial):

±0.2°C (32.3°F)

Temperature Stability (After 10 Minutes): **200°C (392°F):** ±0.03°C 425°C (797°F): ±0.05°C

Display Resolution: 0.01°C or 0.1°F **Setpoint Resolution:**

0.1°C or 0.1°F

Heating Rate, 20 to 400°C: 12 minutes Cooling Rate, 400 to 100°C: 21 minutes Large Well Inserts: 38 x 114.3 mm

(1.5 x 4.5") **Dimensions:**

269 H x 170 W x 254 mm D (10.6 x 6.7 x 10.0") Weight: 6.3 kg (14 lb) RS232 Interface: Included

CL-790A

Minimum Temperature: 25°C (77°F) above ambient **Maximum Temperature:**

650°C (1202°F)

Temperature Accuracy:

±0.4°C (32.7°F)

Temperature Uniformity (Radial):

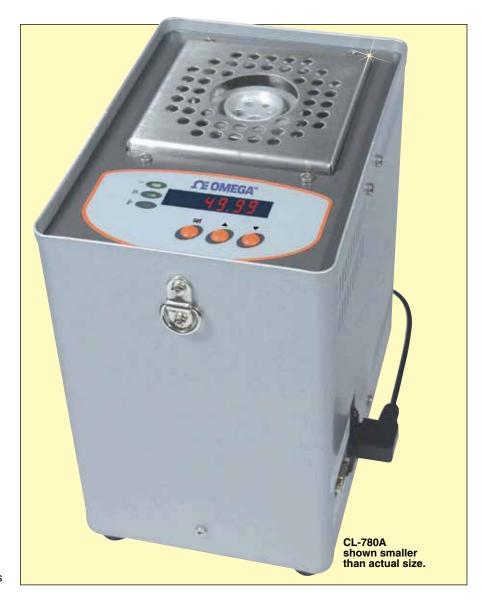
±1.0°C (33.8°F) **Temperature Stability**

(After 10 Minutes): ±0.09°C (32.2°F) Display Resolution: 0.01°C or 0.1°F Setpoint Resolution: 0.1°C or 0.1°F Heating Rate, 20 to 600°C: 24 minutes Cooling Rate, 600 to 200°C: 21 minutes Large Well Inserts: 38 x 152 mm

(1.5 x 6.0") **Dimensions:**

277 H x 170 W x 300 mm D (10.9 x 6.7 x 11.8") Weight: 10.8 kg (24 lb)

RS232 Interface: Included



To Order	
Model No.	Description
CL-770A	Block calibrator 120V, 900 W, 50/60 Hz
CL-770A-230	Block calibrator 240V, 900 W, 50/60 Hz
CL-780A	Block calibrator 120V, 900 W, 50/60 Hz
CL-780A-230	Block calibrator 240V, 900 W, 50/60 Hz
CL-790A	Block calibrator 120V, 1100 W, 50/60 Hz
CL-790A-230	Block calibrator 240V, 1100 W, 50/60 Hz

Accessories

Model No.	Description
CL790-CASE	Soft carrying case for models CL-780A and CL-790A
CL7A-CASE	Soft carrying case for model CL-770A

Comes complete with 1.8 m (6') power cord, insert extractor tool, NIST-traceable calibration, RS232C interface, and operator's manual.

Ordering Examples: CL-770A, block calibrator 120V, 900 W, 50/60 Hz.

CL780A, block calibrator 120V, 900 W, 50/60 Hz.