



Dry Block Calibrators

OMEGA's New Block Calibrator Offers a More Rugged and Lightweight Case

CL-780A Series
Starts at
\$2634



CL-780A, \$2634,
shown smaller
than actual size.

- ✓ CE Marked
- ✓ 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

The CL-700A Series models are shipped ready for use right out of the box complete with multi-well insert, 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, so you can easily upgrade without the need to replace any custom inserts you may already have. See series CL-700A, page K-36 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 at omega.com/cl-780a.





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 Min): ±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 min

Cooling Rate, 100 to 0°C (212 to 32°F): 9 min

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 Min):

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 min

Cooling Rate, 400 to 100°C: 21 min

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 Min):
±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 min

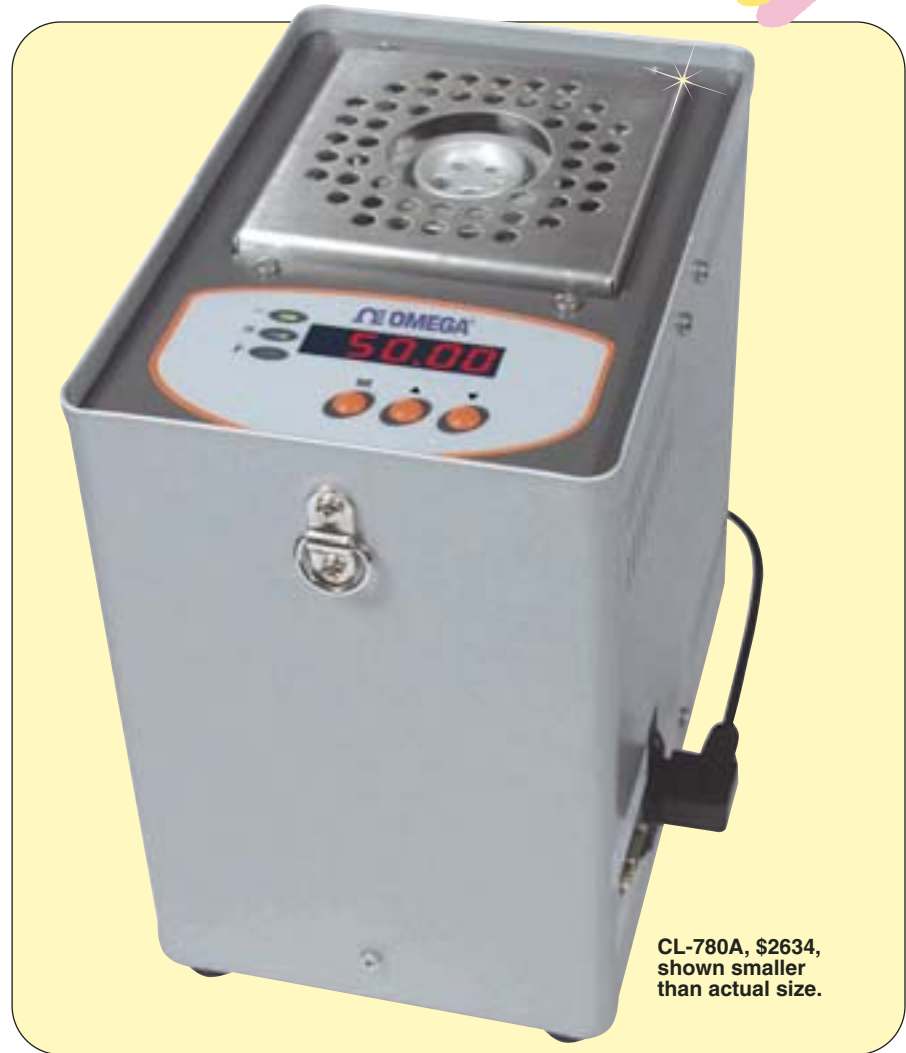
Cooling Rate, 600 to 200°C: 21 min

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



CL-780A, \$2634, shown smaller than actual size.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)		
Model No.	Price	Description
CL-770A	\$3890	Block calibrator 120V, 900 W, 50/60 Hz
CL-770A-230	3890	Block calibrator 240V, 900 W, 50/60 Hz
CL-780A	2634	Block calibrator 120V, 900 W, 50/60 Hz
CL-780A-230	2634	Block calibrator 240V, 900 W, 50/60 Hz
CL-790A	3685	Block calibrator 120V, 1100 W, 50/60 Hz
CL-790A-230	3685	Block calibrator 240V, 1100 W, 50/60 Hz

Accessories

Model No.	Price	Description
CL790-CASE	\$138	Soft carrying case for models CL-780A and CL-790A
CL7A-CASE	170	Soft carrying case for model CL-770A
GE-2139	89	Reference Book: Active Contours

Comes complete with power cord, insert extractor tool, 1 multi-well insert, NIST-traceable calibration, RS232C interface, and operator's manual.

Ordering Examples: CL-770A, block calibrator 120V, 900 W, 50/60 Hz and CL7A-CASE, soft carrying case, \$3890 + 170 = \$4060.

CL780A, block calibrator 120V, 900 W, 50/60 Hz, \$2634.



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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

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters