

Dry Block Calibrators

TRODEX's Block Calibrator Offers a More Rugged and Lightweight Case

CL-780A Series



Standard



CL-780A shown smaller than actual size.

- ✓ 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 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.

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")



CL-780A
shown smaller
than actual size.

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, 1 multi-well insert (1/8, 3/16, 1/4, 5/16, 3/8"), 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.