

# Dry Block Calibrators

*The Most Comprehensive Solution to Your Probe Calibration Needs!*

CL-700A  
Starts at  
**£3310**



CL-760A, £3310, 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 Calibrating Temperature Sensors and Hydraulic Thermostats
- ✓ Fast Settling Time for Rapid Testing
- ✓ Large Interchangeable Insert Format
- ✓ Fast Heat-Up and Cool-Down Times
- ✓ Improved Temperature Zone Uniformity and Control Stability
- ✓ 4-Line by 20-Character LCD and 8-Button Keypad for Entering Programs and Viewing Data
- ✓ Create, Use and Store Programs and Test Results Internally
- ✓ Program Set Temperature, Ramp Rate, Hold Time, "Pause on Switch Changeover" Operation and Hold Until Pause Pressed
- ✓ Switch Test Input For Monitoring Hydraulic Thermostats

## Software

Windows program allows user to:

- ✓ Monitor the Temperature of the Calibrator from the PC
- ✓ Control the Calibrator in Real-Time
- ✓ Create/Store/Retrieve Programs on a PC for Transmission to a Calibrator
- ✓ Read Data from the Calibrator and Produce Certificates on the PC
- ✓ Export Data to other Windows Programs
- ✓ Present Live or Stored Data on the PC in a Graphical and Tabular Format
- ✓ 10 Ramp/Soak Programs with 10 Segments Maximum

## Specifications

### Inputs and Outputs

**Serial Interface Port (RS232):**

Bi-directional, 9600 Baud

**Connector:** 9-way, D-type

**Hardware:** No handshaking

**Switch Test Sockets:** 4 mm

**Voltage:** 120 V (230 V optional)

**Hz:** 50/60

**Watts:** 400

**Measuring Zone:** 0 to 50 mm

(0 to 1.97") from base of well

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

**Programmable Ramp Rate (°C/min):**

0.18 to 77

**Communication Port, 9-Way D-Type:**

Full, bi-directional RS232

### Environmental Specifications

**Ambient Temperature:**

10 to 30°C (50 to 86°F)

**Humidity:**

Up to 95% non-condensing

## CL-740A Specifications

Minimum Temperature: -40°C\* (-40°F)

Maximum Temperature: 140°C (284°F)

Temperature Accuracy In

Measuring Zone: ±0.3°C (±0.54°F)

Temperature Uniformity In

Measuring Zone: ±0.2°C\*\* (±0.36°F)

Temperature Stability After 10 min:  
±0.05°C (±0.09°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

Weight: 13.5 kg (29.76 lb)

Dimensions:

285 H x 190 W x 426 mm D  
(11 x 7 x 17")

\* With 5°C water circulated through the unit.

\*\* At 100°C.

## CL-760A Specifications

Minimum Temperature: 20°C (68°F)

Maximum Temperature: 425°C (797°F)

Temperature Accuracy In

Measuring Zone: ±0.3°C (±0.54°F)

Temperature Uniformity in

Measuring Zone: ±0.2°C\* (±0.36°F)

Temperature Stability After  
10 min: ±0.05°C (±0.09°F)

Heating Rate: 20 to 400°C  
(68 to 752°F), 15 minutes

Cooling Rate: 400 to 100°C  
(752 to 212°F), 25 minutes

1/4" Reference Hole in Block: Yes

Fan Cooling: Automatic

Weight: 9.1 kg (20 lb)

Dimensions:

285 H x 190 W x 426 mm D  
(11 x 7 x 17")

\* At 300°C (572°F).

## CL-750A Specifications

Minimum Temperature: 25°C (77°F)

Maximum Temperature: 650°C (1202°F)

Temperature Accuracy In

Measuring Zone: ±0.2°C (±0.36°F)

Temperature Uniformity in

Measuring Zone: ±0.1°C\* (±0.18°F)

Temperature Stability After  
10 min: ±0.09°C (±0.16°F)

Heating Rate: 20 to 600°C  
(68 to 1112°F), 35 minutes

Cooling Rate: 600 to 200°C  
(1112 to 392°F), 30 minutes

1/4" Reference Hole in Block: Yes

Weight: 11.8 kg (26 lb)

Dimensions:

285 H x 190 W x 426 mm D  
(11 x 7 x 17")

\* At 400°C (752°F).

### MOST POPULAR MODEL HIGHLIGHTED!

#### To Order (Specify Model Number)

Model No.	Price	Description
CL-740A-230	£4095	Block calibrator
CL-750A-230	4070	Block calibrator
CL-760A-230	3310	Block calibrator

#### Accessories

Model No.	Price	Description
CL7A-PROBE	£127	Cooling coil for all units, shortens cool-down time
CL7A-CHILL-230	2260	Circulating bath chiller, lowers effective unit operation at -40°C

Comes with complete user manual, RS232 communication, PC software and RS232 cable, removable AC power cable, soft carrying case with carrying strap, insert extractor tool and 1x multi-hole insert (1/4", 3/4", 1/4", 5/16", 3/8").

Ordering Example: CL-740A-230, block calibrator with program storage, switch input, and PC software, £4095.

#### Aluminium Inserts for CL-740A and CL-760A

#### To Order (Specify Model Number)

Metric Wells			Imperial Wells		
Model No.	Description	Price	Model No.	Description	Price
CL701B-M	5 x 6mm	£97	CL701B	5 x 1/4"	£97
CL702B-M	10/8/6/4.5/3mm	97	CL702B	3/8, 5/16, 1/4, 3/16, 1/8"	97
CL703B-M	2 x 6mm, 2 x 10mm	97	CL703B	2 x 3/8, 2 x 1/4"	97
CL704B-M	2 x 6mm, 2 x 12mm	97	CL704B	2 x 1/2, 2 x 1/4"	97
CL705B-M	11/9/5/4mm	97	CL705B	9/16"	82
CL706B	Undrilled	47	CL706B	Undrilled	47
CL707B-M	6mm, 9mm	97	CL707B	5/8"	82
CL708B-M	9 x 3.18mm	191	CL708B	11/16"	82
CL709B-M	8 x 3.18mm, 6mm	191	CL709B	3/4"	82
CL710B-M	4 x 10mm	97	CL710B	1/4"	82

#### Aluminium bronze Inserts for CL-750A

#### To Order (Specify Model Number)

Metric Wells			Imperial Wells		
Model No.	Description	Price	Model No.	Description	Price
CL701A-M	5 x 6mm	£149	CL701A	5 x 1/4"	£149
CL702A-M	10/8/6/4.5/3mm	237	CL702A	3/8, 5/16, 1/4, 3/16, 1/8"	237
CL703A-M	2 x 6mm, 2 x 10mm	149	CL703A	2 x 3/8, 2 x 1/4"	149
CL704A-M	2 x 6mm, 2 x 12mm	149	CL704A	2 x 1/2, 2 x 1/4"	149
CL705A-M	19.5mm	108	CL705A	9/16"	108
CL706A	Undrilled	61	CL706A	Undrilled	61
CL707A-M	12mm	108	CL707A	5/8"	108
CL708A-M	7 x 3.5mm	236	CL708A	11/16"	108
CL709A-M	2 x 16.5mm, 6.5, 11mm	237	CL709A	3/4"	108
CL710A-M	2 x 13, 6, 10mm	237	CL710A	1/4"	108





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