

## Medium Temperature Dry Block Calibrator

Portable/Benchtop

650-H/650-H2

Heavy Duty

Heavy Duty Models with an array of Interchangeable/Multihole Thermowells

Ideal for quick/fast Site Calibration of RTDs/TCs/Bi-Metal Thermometers, Temperature Switches/Indicators etc. in Industrial & Marine Applications

Meets the requirements of "Safety of Life at Sea" (SOLAS IX Maintenance Regulations) & "International Safety Management" (ISM)

### SALIENT FEATURES

Heavy Duty Portable / Bench-top Model  
Rugged Field Use & for Calibration at Site  
Auto-tune PID Control  
Switch Test facility  
Fast and Reliable  
Improved Accuracy, Resolution & Stability  
Interchangeable Thermowell Inserts, Single / Multihole  
Meets CE Norms



### SPECIFICATIONS

Range	50°C to 650°C
Resolution	0.1°C
Accuracy	±1.2°C
Stability	±0.5°C (650-H); ±0.6°C (650-H2)
Stabilisation Time	15 Minutes
Well Diameter	30 mm
Immersion Depth	110 mm (650-H); 190 mm (650-H2)
Heating Time (Ambient to max.) (approx.)	20 Minutes (650-H); 40 Minutes (650-H2)
Cooling Time Max. (to 100°C) (approx.)	60 Minutes (650-H); 100 Minutes (650-H2)
Multihole Thermowell	Multihole to suit 2 x ¼" & 1 x ½" Probes. Other Sizes available as optional
Switch Test facility/Supply	Provided / 5V DC (open)
Power Supply/Consumption	230V AC / 50 Hz / 1200 W / 1400 W (650-H2)
Instrument Dimensions (L x D x H)	160 x 330 x 350 mm (650-H); 160 x 365 x 450 mm (650-H2)
Instrument Weight	8.5 Kg. (650-H)      11 Kg. (650H-2)

### STANDARD INCLUSIONS

- Basic Instrument
- Test Leads
- Mains Cable
- Insertion Tubes (to suit 2 x ¼" & 1 x ½" probes)
- Tool for Insertion Tubes
- Spare Fuses
- Traceable Calibration Certificate
- Instruction Manual
- Carrying Case

### OPTIONAL (ADD-ON) ITEMS

- Computer Interface
- "Caltemp" Calibration Software
- Additional Thermowells / Insertion Tubes (to choose from) :  
Single hole standard sizes to suit : 1/8", 1/4", 3/8", 1/2", 3/4" & 3, 4, 5, 6, 7, 8, 10, 12, 13, 15, 17, 19 & 21 mm probes  
Multihole (Typical) : (1x6 + 1x8) or (3x6) or (1x10 + 1x4) mm
- Power Supply 110V AC, 60 Hz
- Dual Voltage selection (110V AC & 230V AC)
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



Since 1972

**NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED**

AN ISO 9001:2015 CERTIFIED COMPANY

170/1a2, Chennai Bangalore Highway Road, Sembarambakkam, Chennai – 600 123. INDIA.

Phone - Domestic Sales

044-6677 7024, 044-6677 7005

Email : [mktgchennai@nagman.com](mailto:mktgchennai@nagman.com)

Phone - Export Sales

+91-44-6677 7025.

Email : [exports@nagman.com](mailto:exports@nagman.com)

[www.nagman.com](http://www.nagman.com)

