

# High Temperature Dry Block Calibrator

Semi-Portable

1200 HN

Heavy Duty

Ideal for Steel, Glass, Metallurgical Industries, Cement Plants, Refineries, Fertilizer Plants, Thermal Power Stations etc.

Stable High Temperature Source (1200°C) for Calibration of Multiple (upto 6) Sensors at High Temperature.

## SALIENT FEATURES

Cost effective High Temperature Source (Max.: 1200°C)  
 Multihole / Interchangeable (Thermowell) Inserts to suit  
 High Stability & Accuracy  
 Auto-tune PID Control  
 Forced Air Cooling provision  
 Computer Interface  
 "Caltemp" Calibration Software – Optional

\* Improved Accuracies achieved thro' Comparison Techniques



## SPECIFICATIONS

Range	250°C to 1200°C
Resolution	0.1°C upto 999.9; 1°C above 999.9
Accuracy	Better than $\pm 2.5^\circ\text{C}$
Stability	Better than $\pm 0.5^\circ\text{C}$ (below 600°C)
Stabilisation Time	20 Minutes (above 500°C)
Well Diameter	45 mm
Immersion Depth	150 mm
Heating Time (to max) approx.	90 Minutes
Cooling Time (without well, with forced air cooling)	45 Minutes approx.
Multihole Thermowells	4 x 7 mm + 3 x 9 mm or to suit
Switch Test facility / Supply	Provided / 5 VDC (open)
Power Supply / Consumption	230V AC / 50 Hz / 2000 W
Temperature Control	Auto-tune PID Control
Forced Air Cooling **	Provision available
Transmitter Power Supply	24V DC
Instrument Dimensions (W x D x H)	210 x 365 x 480 mm
Instrument Weight	16 Kgs.

\*\* Dry Compressed Air required (@ 7 bar)

Consult us for Special Heavy Duty Model with Dry Block 70 mm Dia & Immersion Depth 250 mm to accommodate Multiple Inserts at a time & an Interchangeable Thermowell.

Ideal for calibration of longer & bulky Temperature Probes / Assemblies – consult us with specific requirement.

## STANDARD INCLUSIONS

- Basic Instrument
- Cable for Thermostat Switch Test
- Mains Cable
- Insertion Tube - Multihole
- Tool for Insertion Tube
- Spare Fuses
- ¼" BSP (F) Hose Adaptor with 6 mm Hose (1.5 Meter Length)
- Computer Interface
- Traceable Calibration Certificate
- Instruction Manual

#### OPTIONAL (ADD-ON) ITEMS

- Digital Temperature Indicator
- Interchangeable / Single Hole Thermowells – other sizes
- Reference Thermocouple
- “Caltemp” Calibration Software
- Power Supply 110V AC, 60 Hz
- 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)**



Specifications subject to change owing to continuous development. Contact us for latest Datasheet.

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