

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) (approx.)
Well Diameter	45 mm
Immersion Depth	150 mm
Heating Time (to max) approx.	90 Minutes
Cooling Time (with well, with forced air cooling) (1200°C to 100°C)	260 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 / 2700 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
Phone - Export Sales +91-44-6677 7025. **Email :** exports@nagman.com

www.nagman.com



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

NIE/TDS/1200HN/2309/00