

Fluidized Bath

Semi-Portable

FB 06S / FB 06L

Stirred Bath

Medium Temperature Calibrators.

Ideal choice for simultaneous Calibration of several Temperature Sensors in quick time – Thermocouples / RTD Assemblies, Glass Thermometers, Filled System (Dial) Thermometers / Temperature Switches etc.

Calibration of bulky / heavy, odd shaped / sized Sensors – a must for Process Industries, Power Stations etc. with 1000s of Temperature Sensors installed.



SALIENT FEATURES

Compact Design / Cost Effective

Dry, relatively inert / clean / non-toxic safe

No Fitment / Immersion Problems

Short / Long Immersion - to suit Multitype / Multiple Sensor Calibration

Rapid Heat Transfer & Precise Temperature Control

Stainless Steel Inner Container

Complete with Moisture Separator, Flow Meter, Pressure Regulator, Autotune PID Temperature Control, Cooling Coil etc.

Switch Test facility

Castor Wheels for easy movement

Computer Interface & "Caltemp" Calibration Software – Optional

SPECIFICATIONS

Models	FB 06S	FB 06L
Range	20°C above Ambient to 600°C	20°C above Ambient to 600°C
Resolution	1°C	1°C
Accuracy	±1.5°C	±1.5°C
Stability	±0.5°C	±0.5°C
Stabilisation Time	25 Minutes	25 Minutes
Working Chamber Dia	155 mm	225 mm
Immersion Depth	250 mm	400 mm
Heating Time (Ambient to max.)	50 Minutes	90 Minutes
Cooling time (to 100°C)	3 Hours (without cooling attachment) 45 Minutes (with cooling attachment)	5 Hours (without cooling attachment) 75 Minutes (with cooling attachment)
Temperature Readout (PID Controller)	°C / °F Selectable	°C / °F Selectable
Air Pressure **	1 to 1.5 Kg/cm ²	1 to 1.5 Kg/cm ²
Air Flow	25 LPM	45 LPM
Weight of Medium	6 Kgs	17 Kgs
Inner Container	Stainless Steel	Stainless Steel
Power Supply	2 KW	4 KW
Dimension (W x D x H)	800 x 350 x 570 mm	750 x 450 x 800 mm
Weight (without Medium)	40 Kgs.	65 Kgs.
Mounting	Floor Model / Castor Wheel	Floor Model / Castor Wheel

STANDARD INCLUSIONS

- Fluidized Bath complete with Moisture separator, Flow Meter, Pressure Regulator
- Over Spill Flange & Cooling Coil attachment *
- Test Leads for Switch Test
- Aluminium Oxide Powder : 6 Kgs. (FB 06S), 17 Kgs. (FB 06L)
- Evacuation System
- Traceable Calibration Certificate
- Instruction Manual

OPTIONAL (ADD-ON) ITEMS

- Probe Plate Basket (Plate drilled to suit probes)
- Probe Carrier / Holder to suit – specify dia of Probe to be calibrated & number of probes (max. 8)
- Air Filter
- Equalizing Block (Single/Multihole) to achieve higher Stability ($\pm 0.1^{\circ}\text{C}$)
- Computer Interface & Calibration Software
- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

* Tap Water supply required ** Dry Compressed Air required (@ 7 bar).

Manufactured by



Since 1972

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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

NIE/TDS/FB 06S/06L/01/01

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