

Nagman Fluidized Baths

Semi-Portable 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 thousands of Temperature Sensors installed.

Models - Short Immersion / Long Immersion

Range: 20°C above ambient to 600°C

Accuracy : ±1.5°C

Model FB-06-S/L

- Dry, relatively inert / clean / non-toxic safe
- Compact Design / Cost Effective
- No Fitment / Immersion Problems
- Rapid Heat Transfer & Precise temperature Control
- Inner Container - Stainless Steel
- Complete with Moisture Separator, Air Filter, Flow Meter, Pressure Regulator, Autotune PID Temperature Control, Cooling Coil etc.
- Switch Test Facility
- Optional RS-232 Interface & Calibration Software
- Castor Wheels for easy movement



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Specifications

MODELS

	FB-06-S	FB-06-L
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	165 mm	225 mm
Immersion Depth	250 mm	400 mm
Heating Time (to Max.)	50 Minutes	90 Minutes
Cooling Time (to 100°C)	3 Hrs. (Without Cooling Attachment) 45 Min. (with Cooling Attachment)	5 Hrs. (Without Cooling Attachment) 75 Min. (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	730 X 470 X 780 mm
Weight (without Medium)	40 Kgs	65 Kgs
Weight of Medium	Floor Model / Castor Wheel	Floor Model / Castor Wheel

Standard Delivery

- Fluidized Bath Complete with Moisture Separator, Air Filter, Flow Meter, Pressure Regulator
- Over Spill Flange & Cooling Coil Attachment
- Test Leads for Switch Test
- Aluminium Oxide Powder: 6 Kgs (FB-06-S), 17 Kg (FB- 06-L)
- Traceable Calibration Certificate
- Instruction Manual

Optionals

- Probe Plate Basket (Plate drilled to suit probes)
- Probe Carrier / Holder to suit - specify dia of probe to be calibrated & no. of tubes (max.8)
- Equalizing Block (Single / Multi Hole) to achieve Higher Stability (±0.1°C)
- Evacuation System (recommended for clean room use)
- RS-232 Computer Interface & Calibration Software
- Calibration Certificate from NABL Accredited as per ISO/IEC 17025:2005 - Laboratory