



### Temperature Bath / Calibrator

J.N.THERMOCONTROLS dry block temperature calibrator is designed to provide stable and accurate temperature which makes calibration a neat, easy and safe task.

J.N.Thermocontrols dry block temperature calibrator let you accurately calibrate RTD's Thermocouple' Dial thermometer etc. Conveniently by comparison method.

These rugged temperature calibrator, essentially comprises of a metal block, electrically heated and precisionely controlled, using microprocessor based PID controller. Optionally An additional digital temperature indicator & sensor duly calibrated & having traceable calibration certificate can also be provided for use as external reference for comparison purpose.

Control stability is typically  $\pm 1^{\circ}\text{C}$  and is directly readable from display eliminating any guess work. However the calibration accuracy is only limited by the accuracy of the standard / reference sensor or thermometer used

<b>Temperature range</b>	<b>200°C to 1100°C</b>
<b>Type</b>	Electrically heated Dry Block
<b>Resolution</b>	1°C or better
<b>Stability</b>	$\pm 0.5^{\circ}\text{C}$ for 10 min
<b>Control Philosophy</b>	auto tuned PID controller
<b>Reference Temperature Comparison</b>	6 MM dia hole for controller (Reference sensor & indicator optional)
<b>Immersion Depth</b>	175 MM
<b>Heating Time to Max.</b>	Aprox. 90 min . max
<b>Stabilizing time</b>	Aprox. 45 min
<b>Heating Element</b>	Kenthal
<b>Power Supply</b>	220 V AC $\pm 10\%$ 1.2 KW
<b>Housing</b>	M S Powder coated
<b>Mounting</b>	Table top
<b>Dimension</b>	H 11" X W 10" X L 15"
<b>Weight</b>	8 kg aprox.
<b>Accessory Provided</b>	.Metal block 60 MM OD 150 MM long having block holes as Follows 2 x 4 MM OD, 2 x 6 MM OD, 2 x 8 MM OD, 2 x 10 MM OD Block hole depth 100MM
<b>Optional Accessories</b>	Inconel metal block Reference Digital Temperature Indicator and sensor

**Features:**

- Temperature range up to 1000°C
- Fast, stable, accurate & maintenance free
- High Immersion length enables calibration of analogue dial type thermometers
- Auto tuned PID controller with 5 recipe memory
- Heater high / low position selectors switch enables the use on low temperatures also

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