

ThermCal400

The ThermCal400 Dry Block Temperature calibrator is a small, portable and light weight calibrator that is built rugged for field work with specifications good enough to be a laboratory standard. Perform calibration checks on liquid in glass thermometers, dial thermometers, hand held digital indicators, probe assemblies, systems and virtually dozens of other temperature monitoring and recording devices. Checking the performance and accuracy of a temperature sensor is best performed by placing it in precise environment at its true operating temperature.

The included large multiwell insert has 5 holes to accept the more common probe diameters; 1/8", 3/16", 1/4", 5/16" and 3/8". We also offer a list of optional inserts with various other hole sizes shown below.

For safety the unit has independent over-temperature protection and has an internal chassis fan to keep everything cool.

Included in the box along with the unit is a multiwell aluminum insert, insert extractor, power cable, carrying strap, instruction manual and traceable calibration certificate with data and calibration label on the unit.



Specifications

Catalog #	ATS3010 (120 volt)
Catalog #	ATS3020 (240 volt)
Temperature range	25 to 400°C (20°C ambient)
Temperature Stability	±0.02°C up to 200°C ±0.04°C 200°C up to 400°C
Accuracy	±0.25°C up to 200°C ±0.4°C 200°C up to 400°C
Heat up time 25 to 400°C	13 minutes
Cooling time 400 to 100°C	20 minutes
Calibration capacity	4.5" depth, 1.5" OD
Power	900W
Traceable Certificate	Included
Dimensions (H x W x L)	8.25" x 8" x 8"
Mains Voltage	120 or 240V
Weight	11 lbs
What's included in the box	Unit, standard insert (1 x 1/8", 1 x 3/16", 1 x 1/4", 1 x 5/16" & 1 x 3/8" x 4.5" deep), insert extractor, mains cable, instruction manual, carrying strap and NIST traceable calibration certificate

Optional Accessories

Catalog#	Description	Catalog#	Description
ATS3043	Insert 5 x 1/4" holes	ATS3048	Insert 1 x 9/16" & 1 x 1/4" holes
ATS3044	Insert 2 x 1/4" & 2 x 3/8" holes	ATS3049	Insert 1 x 5/8" & 1 x 1/4" holes
ATS3045	Insert 2 x 1/4" & 2 x 1/2" holes	ATS3050	Insert 1 x 11/16" & 1 x 1/4" holes
ATS3046	Insert 1 x 1/4" hole	ATS3051	Insert 1 x 3/4" & 1 x 1/4" holes
ATS3047	Insert Blank	ATS3052	Soft sided carrying case with insert pockets