

# DRY BLOCK TEMPERATURE CALIBRATORS

## FROM ACCURATE THERMAL SYSTEMS

### MODEL THERMCAL 130 TEMPERATURE CALIBRATOR



- Laboratory performance at an economical price
- Lightweight and portable for use in the field
- Removable probe inserts for flexibility & many probe sizes
- Ramp rate feature for accurate testing of temperature switches
- CE marked for safety

With over 25 years of experience designing, manufacturing and supporting Dry Block Temperature Calibrators we have developed two units that offer outstanding performance, features and value that are unmatched. These units have a small footprint, fast heat up and cool down and are light weight for both field and laboratory use. Unlike many competing lower cost models that only offer a fixed block our units accept inserts for probe size flexibility in addition to a fixed 1/4" reference hole.



#### APPLICATIONS

Temperature sensor calibration including;

- RTD's/PRT's
- Thermocouples
- LIG thermometers
- Thermal switches
- Dial thermometers
- Hand held digital indicators
- Data loggers & recorders
- .. and many others

#### BENEFITS

Fast heat up & stabilization

Operates -20°C/-4 °F to 130°C/266°F

Ramp rate setting feature

Designed & manufactured in the USA

Only 17 lbs with insert

# THERMCAL130

## FEATURES AND SPECIFICATIONS

### WHAT'S INCLUDED

- ThermCal130 calibrator
- fixed 1/4" reference hole
- Carrying strap
- Insert removal tool
- Mains cable
- Traceable calibration certificate

### WHAT DO I NEED TO RUN THE SYSTEM

- 120 or 240 VAC mains supply 50/60hz
- 2 amp supply (120 volt)
- 1 amp supply (240 volt)

### SERVICES AVAILABLE

- Technical support
- Application support
- Installation and setup
- Maintenance

V7 917



4104 Sylon Blvd  
Hainesport, NJ 08036 USA  
Ph: 609-326-3190  
Fax: 609-479-5124  
Email: sales@accuthermal.com  
Website: www.accuthermal.com



The ThermCal130 controller offers a large, bright and easy to read display. Adjustable ramp rates for testing of thermal switches. The unit is switchable between °F and °C along with the ability to adjust unit calibration using your own reference standard. Up to 8 set points can be saved for quick recall.

In addition to the heat sink cooling fan a small chassis cooling fan keeps the internal components and controller cool at all temperatures for years of reliable operation.

ThermCal130 includes everything you need to operate it straight out of the box. We offer several optional inserts and carrying case listed below.



### Specifications and Ordering

<b>ThermCal130</b>	
Temperature range (ambient of 20°C)	-20°C (-4°F) to 130°C (266°F)
Accuracy	±0.4°C/±0.7°F
Stability	Better than ±0.05°C/±0.09°F
Heat up time -20 to 130°C	8 minutes
Heat up time 20 to 100°C	3 minutes
Cool down time 20 to -20°C	9 minutes
Cool down time 130 to 20°C	4 minutes
Probe well depth & insert diameter	4" depth by 1/2" diameter
Power consumption	150 watts
Overall dimensions	10.2" H x 9" W x 8" L
Weight with insert	17 pounds
Warranty	2 years
Ordering information	120 volt model: ATS3080, 240 volt model: ATS3081
<b>Optional Accessories</b>	
<b>The unit includes a fixed 1/4" reference hole</b>	
Insert 1 x 1/8" well – ATS3074	Insert 1 x 3/8" well – ATS3078
Insert 1 x 3/16" well – ATS3075	Insert blank – ATS3079
Insert 1 x 1/4" well – ATS3076	Soft sided carrying case – ATS3052
Insert 1 x 5/16" well – ATS3077	Metric sizes available upon request