

# 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 insert for flexibility & many probe sizes
- High stability and fast heat up/cool down
- CE marked for safety

With over 25 years of experience designing, manufacturing and supporting Dry Block Temperature Calibrators we have developed a unit that offers sub-ambient operation with outstanding performance, features and value that is unmatched. The ThermCal130 has a small footprint, fast heat up and cool down and is 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.



#### 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 -25°C/-13 °F to 130°C/266°F in a 20°C ambient

Outstanding accuracy

Designed & manufactured in the USA

Only 15 lbs with insert

# THERMCAL 130

## FEATURES AND SPECIFICATIONS



The ThermCal130 controller offers a large, bright and easy to read display. 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)	-25°C (-13°F) to 130°C (266°F)
Accuracy	±0.4°C/±0.7°F
Stability	Better than ±0.03°C/±0.06°F
Heat up time -20 to 130°C	5 minutes
Heat up time 20 to 100°C	1.8 minutes
Cool down time 20 to -20°C	3 minutes
Cool down time 130 to 20°C	2.5 minutes
Probe well depth & insert diameter	4" depth by 1/2" diameter
Power consumption	200 watts
Overall dimensions	10.2" H x 9" W x 8" L
Weight with insert	15 pounds
Warranty	2 years
Ordering information	Universal 100 to 240 VAC operation Catalog# ATS3080
<b>Optional Accessories</b>	
<b>Customers choice of one insert from below included with unit</b>	
Insert 1 x 1/8" well – ATS3074	Insert 1 x 3/8" well – ATS3078
Insert 1 x 3/16" well – ATS3075	
Insert 1 x 1/4" well – ATS3076	Soft sided carrying case – ATS3052
Insert 1 x 5/16" well – ATS3077	Metric sizes available upon request

### WHAT'S INCLUDED

- ThermCal130 calibrator
- Single probe insert well
- Carrying strap
- Insert removal tool
- Mains cable
- Traceable calibration certificate

### WHAT DO I NEED TO RUN THE SYSTEM

- Universal mains supply 100 to 250 VAC 50/60hz, 2 amps

### SERVICES AVAILABLE

- Technical support
- Application support
- Calibration services



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