



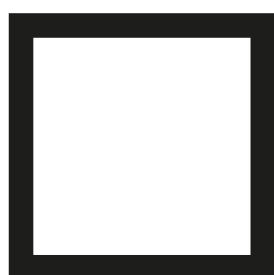
industrial temperature

PORTABLE  
DRY BLOCK  
CALIBRATORS

TOUCH  
SCREEN



NEW GENERATION



# ECILCAL LHT SMART FULL

It has temperature controllers with PID parameters adjusted according to the characteristics of the calibrator throughout all its working range.

Versatile as always,  
and now, smarter than ever!

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The Portable Dual Temperature Sensors Calibrator, **SMART LHT FULL CALIBRATOR**, is simply the best technology solution for temperature calibrations ranging from 50°C below ambient temperature to 1200°C. It is a homogeneous and stable source of heat, where through an equalizer block, several sensors can be inserted for the comparison calibration process.

- It has a 4-channel selector switch, for reading of the sensors in calibration, identified by a tag of up to 16 characters.
- The Standard can be internal or external or a Probe type external standard that eliminates the need to correct the error in the standard reading.
- The calibration routine can be automated between channels, with the results being accessible and stored on the instrument display itself.
- Switch Test function for temperature.
- Built-in help with instructions for the functions and settings.



**PACKAGE CONTENTS**

- An ECIL SMART LHT FULL Calibrator
- One standard insert for each block
- An insert puller
- A power cable
- A carrying bag plus accessories
- Instructions manual in English
- RBC calibration certificate

**OPTIONALS**

- 110Vac power supply
- Inserts with custom drilling
- Standard sensors with calibration certificate
- RBC types: PT-100 150/250 PRT and "Type R" Thermocouple
- Container for stirred liquid (low temperature side)
- Blackbody targets (low and high temperature sides)



**TECHNICAL SPECIFICATIONS**

**LT BLOCK**

Range	50° below amb. temp. at 140°C
Absolute Stability	0.01°C (liquid container), 0.02°C (dry block)
Temp Uniformity.	0.02°C (liquid container), 0.05°C (dry block)
Controller Resolution	0.01°C
Calibration Volume	35mm diameter by 160mm immersion
Insert Holes	2 x 4.5mm / 2 x 6.4mm / 1 x 8.0mm / 1 x 9.5mm

**HT BLOCK**

Range	150°C to 1200°C
Absolute Stability	±0,2°C
Controller Resolution	0,1°C
Calibration Volume	35mm in diameter by 130mm of immersion
Insert Dimensions	4 x 6.35mm / 1 x 8mm / 1 x 9.5mm

Technical Unit	°C / °F
Dimensions	Height 300mm / Width 510mm / Depth 170mm
Weight	22 kg
Power Supply	200 to 240Vac
Warranty	12 months

