ECIL
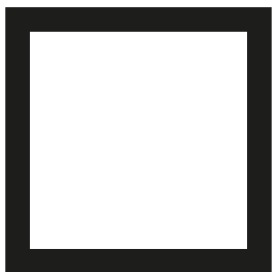## industrial temperature

PORTABLE DRY BLOCK CALIBRATORS

TOUCH SCREEN

ECILCAL
LHT SMART LITE

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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ECILCAL
LHT SMART LITE

The Portable Dual Temperature Sensors Calibrator, **SMART LHT LITE 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.

The CALIBRATOR has equalizer blocks constructed of conductive material that fits into its well. It is in these blocks that thermal equilibrium occurs and make comparison possible. The standard thermometer and the Thermometers in calibration should fit with little Clearance from the block holes for good calibration.

The blocks have: Low module: 35mm in diameter by 160mm in length. High module: 35mm high diameter by 130mm in length.
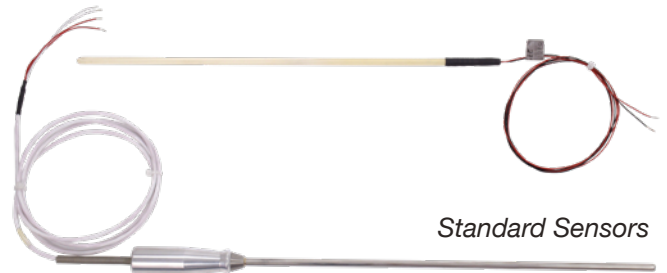
The CALIBRATOR can be used in any type of industry for calibrating thermocouples, PRTs, bimetallic thermometers, etc. This calibrator can be easily operated and maintained.

PACKAGE CONTENTS

An ECIL SMART LHT LITE 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)

Standard Sensors

⚙ TECHNICAL SPECIFICATIONS

LT BLOCK

Range	50° below amb. temp. at 140ºC
Absolute Stability	0.01°C (liquid container), 0.02ºC (dry block)
Temp Uniformity.	0.02ºC (liquid container), 0.05ºC (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