



# ECIL

industrial temperature

## PORTABLE DRY BLOCK CALIBRATOR



SMART PROBE

TOUCH  
SCREEN



### NEW GENERATION

# ECILCAL

## LMT SMART STANDARD

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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NEW GENERATION

**ECILCAL**

LMT SMART STANDARD

The Portable Double Temperature Sensor Calibrator **LMT SMART STANDARD CALIBRATOR** is simply the best technological solution for temperature calibrations from 50°C below ambient temperature to 650°C. It is a homogeneous and stable heat source, where through an equalizer block, several test sensors and a standard thermometer are inserted for calibration by comparison.

- It has the PID temperature controller, an auxiliary input for the reading of the smart probe and an input for the sensors in calibration.

- In addition to selecting between types of sensors, this version makes it possible to also include fully configurable probes.

- Built-in help with instructions on functions and settings.

- 480x272 pixel backlit color touchscreen display.

- Graphic visualization of temperature measurements.

**PACKAGE CONTENTS**

An **ECIL SMART LMT STANDARD Calibrator**

One standard insert for each block

An insert puller

A power cable

A carrying bag plus accessories

Instruction 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, PT-100 420/320 and "R" thermocouple.

Container for stirred liquid (low temperature side)

Black body target (both sides)

**SMART PROBE**

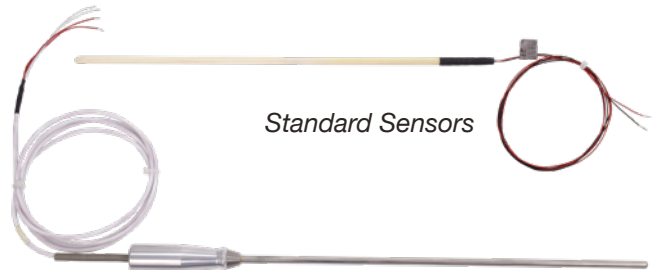
Smart standard sensor with built-in memory.

Types: PT-100 or R/S Thermocouple.

Supplied with calibration certificate accredited by Cgcre.

Accepts Callendar-Van Dusen Coefficients.

There is no need to correct the error in reading.



Standard Sensors

**TECHNICAL SPECIFICATIONS**

LT BLOCK

Range	50° below ambient temperature to 140°C
Absolute stability	0.01°C (liquid container), 0.02°C (dry block)
Temperature 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

MT BLOCK

Range	35°C to 650°C
Absolute stability	0.02°C
Controller resolution	0.01°C
Calibration volume	35mm in diameter by 148mm of immersion
Insert holes	2 x 4.5mm / 2 x 6.4mm / 1 x 8.0mm / 1 x 9.5mm



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



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Know More

