

# LHC 40 Advance

Temperature dry well calibrator LHC 40 Advance is an equipment suitable for all conditions and applications, covering different kind of industries. The LHC 40 Advance is the most advanced equipment in its class. Designed to work in a few minutes, as a dry block with different inserts. Thanks to the wide variety of inserts available, it allows you to calibrate any probe or thermocouple. The LHC 40 Advance has a temperature range of -35 °C ... 165 °C \* (-31 F ...329 F) stability of 0.008 °C (0.008 F) accuracy of 0.1°C (0.18 °F).



## **APPLICATIONS**

Calibration Laboratories
Testing Labs
Universities / R & D
Food / Pharmaceutical Industry
Suitable use in the food industry
Easy maintenance and service

## **HIGHLIGHTS**

Fast Response Time
Temperature range -35 ... 165 °C\*
Dry block with a big diameter 60 mm
Easy change between the calibration functions
Inmersion Depth: 165 mm
Resolution: 0,1/0,01/ 0,001 °C / F
Stability: 0.008 °C / 0.008 F
Accuracy: 0.1 °C / 0.18 F
Uniformity: 0.03 °C / 0.054 °F
Portable unit
3 Years Warranty

#### **General Information**

Easy and intuitive 4.3-inch touch screen user interface Dry block, blackdody, surface and different inserts Intuitive handling of calibration functions Robust against damage

Trend graph with resolution up to 0.1°C and time selection Program functions with up to 8 segments

Multi-language Spanish, English, German, French, Italian

RS485 ModBus RTU communication (DB9 connector)

World-class performance





#### **Technical Data**

Operating Temperature Range(°C) -35...165 °C\* /-31 F ...329 F

Accuracy 0,1 °C /0,18 F

Resolution 0.1/ 0.01/ 0.001°C / F (selectable).

Reference temperature sensor Internal

Calibration Volume Ø 60mm x 190 mm

Warm-Up time From -5 to 100°C: 15 Minutes / From 23 to 212°F: 15 Minutes

Cooling time From 25 to -25°C 20 Minutes /From 77 to -13 F 20 Minutes

Housing and assembly Portable

Dimensions An x La x Al (cm) 250 x 370 x 440 mm Weight (kg) 12.8 kg Approx.

Supply 100 ... 234 Vac 50/60 Hz

Power Consumption Approx 310 W

#### DRY BLOCK

Temperature Stability  $\pm 0.008$  °C  $/ \pm 0.08$  F Uniformity  $\pm 0.03$  °C  $/ \pm 0.07$  F Insert Dimensions 59.5mm x 165mm

Optional Inserts

1 x Ø 3,5 /1 x Ø 6,5/ 1 x Ø 8,5/ 1 x Ø 10,5 mm

2 x Ø 3,5 /2x Ø 4,5/ 2 x Ø 6,5/ 2 x Ø 8,5/ 2 x Ø 10,5 mm

3 x Ø 3,5 /3x Ø 6,5/ 3 x Ø 8,5/3 x Ø 10,5 mm

2 x Ø 3,5 /1x Ø 4,5/ 1 x Ø 5,0/1 x Ø 5,5/1 x Ø 6,5/ 1 x Ø 8,5

/1x Ø 9,0/ 1 x Ø 9,5/1 x Ø 10,5 mm Blank insert without holes or Custom

Infrared calibration insert with external reference sensor Ø 3 mm

Surface calibration insert Temp range -25 to 150  $^{\circ}\text{C}$  / -13 to 302  $^{\circ}\text{F}$ 

#### Scoope of delivery

LHC 40 Advance Basic Instrument

Estándar insert A: 1 x Ø 3,5 /1 x Ø 6,5/ 1 x Ø 8,5/ 1 x Ø 10,5 mm

Insert extractor

Power Cable EU, USA, Others.

Manufacturing Traceable Calibration Certificate 3.1 (8 Points)

Instruction Manual

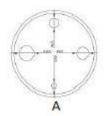
3 Years of Warranty against factory defects

# Optional

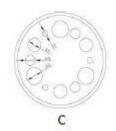
Trolley transport suitcase with wheels and handle.

ENAC (ISO 17025) Calibration Certificate

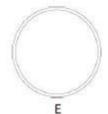
Several types of inserts ( See the Dry Block Tecnical Data)











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<sup>\*</sup>Minimum Temperature Range is 55 ° C / 131°F, below ambient. Absolute minimum -35°C / -31°F