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 ºC ... 165 ºC * (-31 F ...329 F) stability of 0.008 ºC (0.008 F) accuracy of 0.1ºC (0.18 ºF).

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 ºC*
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 ºC / F
Stability: 0.008 ºC / 0.008 F
Accuracy: 0.1 ºC / 0.18 F
Uniformity: 0.03 ºC / 0.054 ºF
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 0.1ºC 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

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Technical Data

Operating Temperature Range(ºC)	-35…165 ºC* /-31 F ...329 F
Accuracy	0,1 ºC /0,18 F
	0.1/ 0.01/ 0.001ºC / F (selectable).
Reference temperature sensor	Internal
Calibration Volume	Ø 60mm x 190 mm
Warm-Up time	From -5 to 100ºC: 15 Minutes / From 23 to 212ºF: 15 Minutes
Cooling time	From 25 to -25ºC 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	±0.008 ºC / ± 0.08 F
Uniformity	±0.03 ºC / ± 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 ºC / -13 to 302 ºF

*Minimum Temperature Range is 55 ° C / 131ºF, below ambient. Absolute minimum -35ºC / -31ºF

Scooope 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 (10 Points)

Instruction Manual

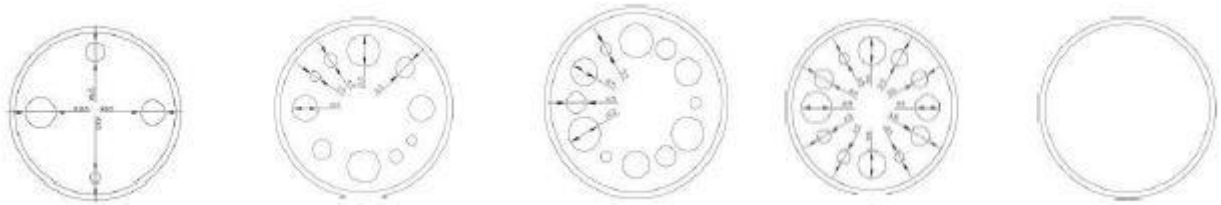
3 Years of Warranty against factory defects

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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