LHC 400 Advance

Temperature dry well calibrator LHC 400 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 40 ... 450 ºC (104 ... 842 F) stability of 0.04 ºC (32,07 F) accuracy of 0.1 ºC (0.18 F).

APPLICATIONS

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

HIGHLIGHTS

Fast Response Time
Temperature range 40 ... 450 ºC /104 . 842 F
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: 0.04 ºC / 32,07 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)	40…450 ºC* /104 … 842 F
Accuracy	0,1 ºC /0,18 F
Resolution	0.1/ 0.01/ 0.001ºC / F (selectable).
Reference temperature sensor	Internal
Calibration Volume	Ø 60mm x 190 mm
Warm-Up time	**From 50 ... 425 ºC / From 104 … 797 F: 22 Minutes**
Cooling time	**From 425 … 100 ºC /From 797 to 212 F: 35 Minutes**
Housing and assembly	Portable
Dimensions An x La x Al (cm)	250 x 370 x 440 mm
Weight (kg)	10.8 kg Approx.
Supply	100 … 234 Vac 50/60 Hz
Power Consumption	Approx 1800 W

DRY BLOCK	
Temperature Stability	±0.04 ºC / ± 32.07 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

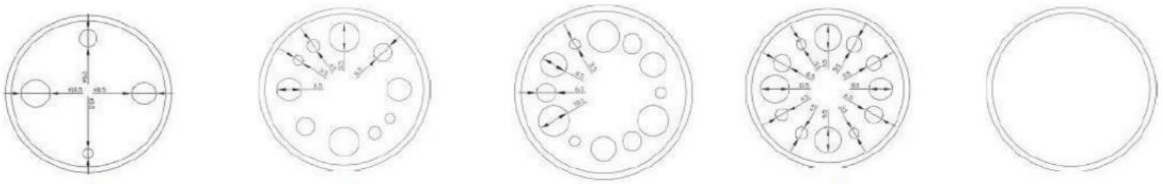
3 x Ø 3,5 /3x Ø 6,5/ 3 x Ø 8,5/3 x Ø 10,5 mm

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 Tª 50 … 450 ºC

Surface calibration insert Temp range Rango 50 .. 400 ºC // 122 to 752 F



A B C D E

Scooope of delivery

LHC 400 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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