

LHC 40 Basic

The Leyro Portable dry block temperature calibrator suitable for temperature calibrations, between -35°C ... 165°C *, offers a versatile solution for calibrating thermocouples and RTD's in industrial environments, offering an excellent performance in stability and uniformity, as well as a fast response time. The LHC 40 is easy to use, thanks to its compact and light weight design. Thanks to the large size of the insert, it has a large multi hole capacity and can calibrate a large number of thermocouples at the same time. The diameter of the Dry Block is \varnothing 60mm and 165 mm of depth.



APPLICATIONS

On-site calibration
Maintenance and Service
All kind of Industry
Machinery Construction

HIGHLIGHTS

Fast, Compact and Light
High Calibration Capacity
Insert \varnothing 60mm Length 165mm
Different types of inserts
Temperature Range: -35°C ... 165°C *
Stability: $\pm 0.01^{\circ}\text{C}$
Warranty: 3 Years

General Information

Easy and intuitive temperature controller with 4 digits and a resolution of 0.1
Integrated PT 100 probe for reference temperature measurements
Accuracy: $\pm 0.1^{\circ}\text{C}$
Temperature Stability: $\pm 0.01^{\circ}\text{C}$
Uniformity : $\pm 0.05^{\circ}\text{C}$



Technical Data

Large Capacity Block	
Operating Temperature Range(°C)	-35...165°C*
Accuracy	± 0.1°C
Stability:	± 0.01°C
Resolution	± 0.1°C
Uniformity	± 0.05°C
Temperature Control	Internal PT100
Calibration Volume	Ø 60mm x 165 mm
Heating Time	From -5 to 100°C: 25 Minutes
Cooling Time	From 25 to -25°C: 45 Minutes
Housing and assembly	Portable
Dimensions D x L x H (mm)	250 x 300 x 400
Weight (kg)	11 kg approx.
Supply	100 ... 234 Vac 50/60 Hz
Power Consumption	Approx. 310 W
Standard insert	A 1 x Ø 3.5 / 1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5
Optional Inserts	B 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5 C 3 x Ø 3.5 / 3x Ø 6.5/ 3 x Ø 8.5/ 3 x Ø 10.5 D 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 5.5/ 2 x Ø 6.5/ 1 x Ø 8.5 / 2 x Ø 9.5/ 1 x Ø 10.5

*Minimum Temperature Range is 55 °C, below ambient. Absolute minimum -35°C

Scope of delivery

Instrument LHC 40 Basic
Power cord, insert extractor
Standard Insert: A 1 x Ø 3.5 / 1 x Ø 6.5/ 1 x Ø 8.5/ 1 x Ø 10.5
Manufacturing Traceable Calibration Certificate 10 Points
Instruction manual
3 Years Warranty against factory defects

Optional

RS485 Protocol communication
Trolley transport case with wheels and handle.
ISO 17025 Calibration Certificate (ENAC).

Optional Inserts: B: 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 6.5/ 2 x Ø 8.5/ 2 x Ø 10.5
C: 3 x Ø 3.5 / 3x Ø 6.5/ 3 x Ø 8.5/ 3 x Ø 10.5
D : 2 x Ø 3.5 / 2x Ø 4.5/ 2 x Ø 5.5/ 2 x Ø 6.5/ 1 x Ø 8.5 / 2 x Ø 9.5/ 1 x Ø 10.5
E: Blank (without holes)
G. Infrared calibration insert, Temp. range -20 to 150 °C
H. Surface calibration insert, Temp. range -25 to 150 °C

