

LHC 650 Basic

The LHC 650 Basic dry block temperature calibrator is a compact and lightweight device, suitable for all conditions and applications, covering different types of industries. The LHC 650 calibrator is the most advanced device in its class. Designed to work in just a few minutes, as a dry block. Thanks to the wide variety of inserts available, it allows the calibration of any probe or thermocouple. The LHC 650 has a temperature range of 40 ... 650 °C, stability 0.05°C and accuracy of 0.3 °C.



APPLICATIONS

Calibration laboratories
Testing Laboratories
Universities / R&D Centers
Chemical industry / Petroleum
Compatible with the naval industry
Maintenance and Service

HIGHLIGHTS

Compact design for on-site use
Fast response time
Temperature range 40 ... 650 °C
Wide variety of inserts
Immersion depth: 150 mm
Resolution: 0.1 °C over the entire range
Stability: 0.05 °C
Accuracy: 0.3 °C
Uniformity: 0.05 °C
Portable and manageable
3 Years Warranty

General information

User interface with dual display and 0.1 resolution
Intuitive handling of calibration functions
Robust against damage
Adjustable via menus with 10 calibration points for better adjustment
RS485 ModBus RTU communication (DB9 connector) Optional
Top-notch performance



Technical characteristics

Operating temperature range (°C)	40 ... 650 °C
Accuracy	0.4°C
Stability	0.05°C
Resolution	0.1 °C
Reference temperature	Internal
Calibration Volume	Ø 28 mm x 150 mm
Warm-up time	From 50 ... 600 °C: 20 Minutes
Cooling time	From 600 ... 100 °C: 35 Minutes
Housing and mounting	Portable
Dimensions W x L x H (mm)	(L)270 x(W) 190 x(H) 280+ 32 (Handle) mm
Weight (kg)	8.20 kg
Feeding	100 ... 234 Vac 50/60 Hz
Power Consumption	Aprox. 1.200 W

Chromed bronze inserts:

Standard Insert: B: 1 x Ø 3.2 /1 x Ø 5 / 1 x Ø 6.5 / 1 x Ø 10.5 mm

Insert size 27 mm x150 mm

Optional inserts

C: 1 x Ø 6.5 / 1x Ø 12.5 mm

D: 1 x Ø 4.5 / 1 x Ø 6.5/ 1 x Ø 10.5 mm

E: 1 x Ø 15.7 mm

F: 1 x Ø 17.5 mm

G: 1 x Ø 3.2 / 1 x Ø 5 / 1 x Ø 7 / 1 x Ø 10.5 mm

A: Unmachined (No drilling).

Standard delivery

Equipment LHC 650 Basic and Standard Insert Type B

Power Cord EU, USA, others

Insert extractor

Traceable calibration certificate 10 manufacturing points

Instruction manual

3 years warranty against manufacturing defects

Optional

Trolley case with wheels and handle.

ENAC calibration certificate (ISO 17025)

RS 485 ModBus RTU communications (software included, PC cable not included).

Various types of inserts (See section on technical characteristics of the dry block)