IBL-0C

Industrial Dry Block
-24ºC … 125 °C

The high heating / cooling rate allows significant time savings during calibrations when several check points are required. The IBL 0C excellent performance is due to the Peltier cell that cools and heats the thermal block. The material of the thermal block ensures axial and horizontal uniformity, typically performed by superior dry-block category.

General

The calibrator is equipped with two parallel wells with a 13 mm diameter in which the reduction insert is inserted to adjust the diameter of the probe under calibration to the calibrator. It has 7 inserts available with holes of Ø 3.2 to 11.1 mm, other diameters available from 1 mm.

The IBL-0C is equipped with an RS232 serial interface to operate in automatic mode connected to the PC that allows to carry out calibrations of probes, tests to thermostats, programming of ascent / descent ramps and storage of operating temperatures and tests life cycles;

Available in one or two wells:
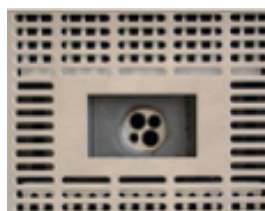
Technical Data

Range: -24 … 125 °C
Diameter (mm): 1 x 19 or 2 x 13
Hole depth: 104 mm (Ø 3,2 – 4 – 4,8 – 6,4 –7,9 – 9,5 – 11,1 mm)
Stability: ±0,05 °C
Accuracy: ±0,25 °C
Axial Uniformity: ±0,05 °C at -24ºC, ±0,04 °C at 0 ºC, ±0,1°C at 100 °C

Mean heating time: de Tamb to 120 °C in 20 min
Mean cooling time: de Tamb to -20 °C in 17 min
Resolution: 0,1 °C
Engineering Units: °C, °F
Display: LED
Serial Interface: RS232
Power supply: 115 - 230 V - 50/60 Hz – 300 VA

Scope of Delivery

- Calibrator IBL-0C.
- Power supply cable.
- Fuses kit.
- Thermostat connection cables.
- Instructions manual.
- Test report.
- Tweezers for inserts removing.
- Standard Inserts: 4 hole (3,3 – 4,8 - 6,4 mm) & blind insert

Dimensions

130 x 260 x 280 mm

Weight

4,9 kg (10 kg packed)

Accessories / Options

- Software.
- Special diameter Inserts on request.
- Pt100 RTD standard.
- USB/RS232 - RS232 serial cable.
- Carrying case

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We reserve the rights to alter at any time the technical specifications without notice