

Dry block Temperature Calibrator Type SOLAR & SOLAR-2I

- Temperature range: +200°C to +1100°C
- For mobile and stationary use
- Micro processor operated
- Ramp function, thermostat tests

Typical applications:

- Calibration and checking of all kinds of thermometer
- Calibration and checking of thermostats
- Computer aided calibration via RS232 interface

Technical Data:

Temperature range: +200°C to +1100°C
 Accuracy of temperature reading: $\pm 3^\circ\text{C}$
 Display resolution: 0.01 / 0,1°C (switchable °C / °F)
 Stability of regulated temperature: $\pm 0.3^\circ\text{C}$ at 1000°C
 Mean heating time: 18°C per minute
 Mean cooling time: 6°C per minute
 Tubular vertical furnace with an internal quartz pipe and interchangeable equalizing block
 Diameter 45 mm x dept 220 mm,
 Equalizing block: Inconel 600, 44 mm diam. x 175 mm dept
 Counter-current forced air cooling system, enables to check even very short probes.
 Temperature uniformity: $\pm 0.4^\circ\text{C}$ horizontal and vertical
 RS232 interface: supplied, build-in.
 Ramp function
 Block with top insulator: 4 holes (dept 155 mm), diam. 7 - 9 - 11 - 13.5 mm, others on request
 Power supply: 230 VAC (optional: 115 VAC)
 Power consumption: 850 VA
 Case material: metall
 Dimension: 450 x 170 x 330 mm
 Weight: 12 kg net

Note: The stated accuracy is valid at ambient temperature +10°C...+40°C and is guaranteed for 1 year.

Scope of standard Supply:

- Temperature Calibrator SOLAR
- Electr. power cable
- Fuse kit
- Electr. connection cables for thermostat test
- Operating manual
- Certificate of calibration, traceable
- Block extractor tool

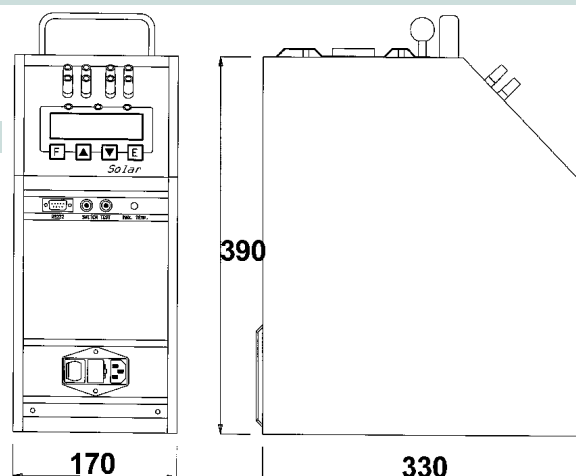
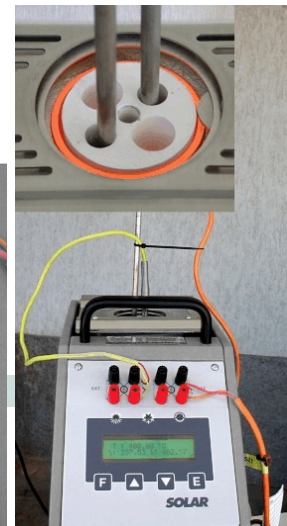
In addition, at type SOLAR-2I:

- Two inputs for Pt100 and thermocouples, programmable
- Pt 100 IEC 3-1/4 wire, range -100/+700°C, accuracy $\pm 0.3^\circ\text{C}$
- Thermocouple type J, range 0-1000°C, accuracy $\pm 1^\circ\text{C}$
- Thermocouple type K/N/R/S, range 0-1300°C, accuracy $\pm 1^\circ\text{C}$

Optional Accessories:

- Dry block in INCONEL 600, with top insulator, holes as per customers request
- PC-Windows Software **AQ2sp** with RS232 cable
- Probe thermocouple typ S, optional with DKD certification
- Soft bag

The SOLAR can operate in automatic mode connected to a PC by means of the optional **AQ2sp** software which enables to carry out probe calibrations and cyclical life tests; test results can be stored and printed, so they are easily traceable in compliance with ISO 9000 standards.



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