

Dry Block Temperature Calibrator PULSAR-35CU

- for mobile or stationary use
- micro processor operated (PID)
- ramp function, thermostat test

Typical applications:

- calibration and checking of all kind of thermometers
- calibration and checking of thermostats
- computer aided calibration via RS232 interface



Technical Data Type PULSAR-35CU: Order-Code: PULSAR-35CU

Temperature range: ambient temperature up to +600°C
 Resolution of the display: 0.01 / 0.1°C (display switchable to °F or K)
 Stability of regulated temperature: $\pm 0.05^\circ\text{C}$ at 450°C
 Mean heating time: 20°C per minute / Mean cooling time: 25°C per minute
 Uniformity (at 450°C): radial $\pm 0.15^\circ\text{C}$, axial $\pm 0.35^\circ\text{C}$.
 Accuracy of integrated temperature measurement: $\pm 0.3^\circ\text{C}$
 Integrated reference probe: Resistance thermometer Pt 100 (3-wire)
 Ventilation: integrated, electronical driven.
 RS-232 interface: included
 Ramp function: min. 0.1°C per minute
 Dry block: diameter 35 mm, depth 190 mm, material: copper
 Test wells: 1 hole diam. 35 mm x depth 185 mm
 Incl. 1 insert with 4 drillings / holes: diam. 4.5 - 6.5 - 9.5 - 12.5 mm)
 Optional: insert with customized drillings or without drillings
 Power supply: 230 VAC or 115 VAC
 Power consumption: 800 VA
 Housing: metal, dimension: 160 x 340 x 330 mm, weight 10.1 kg net (shipping weight: 18.2 kg)
 NOTE: the stated accuracy is valid for ambient temperature +10...+40°C and is guaranteed for 1 year.

Additional for type PULSAR-35CU-2I: Order-Code: PULSAR-35CU-2I

Version with data acquisition card and two input devices to measure Pt 100 (3-/4-wire, -100...+700°C, $\pm 0.3^\circ\text{C}$), Thermocouple type J (0...1000°C, $\pm 1^\circ\text{C}$) and Thermocouple types K/N/R/S (0...1300°C, $\pm 1^\circ\text{C}$).

Scope of standard Supply:

Temperature Calibrator PULSAR, power supply cable, fuses kit, thermostats connection cables, instruction manual, test certificate (traceable), tweezer for inserts removing, 1 insert with holes diam. 4.5 - 6.5 - 9.5 - 12.5 mm, depth 185 mm.

Optional Accessories:

- Order-Code **PULSAR-35CU-INS-KS**: Insert with drillings as per customers request
- Order-Code **PULSAR-35CU-INS-0**: Insert without drillings (to be drilled by customer)
- Order-Code: **TEMPKAL-TASCHE**: Soft bag
- Order-Code: **TEMPKAL-KOFFER**: Aluminum case
- Order-Code: **599.0.000.0003.0**: RS232 cable and PC-Windows-Software **AQ2sp**

With the software **AQ2sp** it is possible to remote-control the calibrator with a PC.
 Automatic or manual calibration of one or more test specimen, stress tests, thermostat tests. Printing of calibration certificates.

