

Dry block Temperature Calibrator Type PULSAR-80CU

- Temperature range: ambient temperature up to +550°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 PULSAR-80CU: Order-Code: **PULSAR-80CU**

Temperature range: ambient temperature up to +550°C.
 Display resolution: 0,01 / 0,1°C (unit switchable to °F or K)
 Stability: $\pm 0,5^\circ\text{C}$ (at 450°C)
 Mean heating time: 9°C per minute
 Mean cooling time: 1,6°C per minute
 Display accuracy: $\pm 0,3^\circ\text{C}$ at 450°C
 Integrated reference sensor: resistance thermometer 3-wire
 Ventilation: integrated, electronic operated.
 Interface: RS232 (9-pol. D-sub)
 Ramp function: min. 0,1°C per minute
 Dry block: diam. 60 mm. made in copper-alloy.
 Test well depth: 275 mm, 1 insert
 Optional: insert with holes as per customers request (if possible) or without holes.
 Power supply (50/60 Hz): 230 VAC (optional: 115 VAC)
 Power consumption: 1700 VA
 Case material: metal
 Dimension: 160 x 340 x 330 mm, Weight: 23 kg net
 NOTE: The stated accuracy is valid at ambient temperature +10°C...+40°C and is guaranteed for 1 year.



In addition, at type PULSAR-80CU-2I: Order-Code: **PULSAR-80CU-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 types K/N/R/S, range 0-1300°C, accuracy $\pm 1^\circ\text{C}$

Scope of standard supply:

Dry block calibrator PULSAR-80CU, electrical connection cable, spare fuses, cable for thermostat tests, operating manual, certificate of calibration (traceable), tool for insert removing.
 1 insert with 4 holes 4.5 - 6.5 - 9.5 - 12.5 mm). At type PULSAR-80CU-2I set of measuring cables with 4 mm plugs.

Optional Accessories:

- Insert with holes as per customers request (if possible)
- Insert without drilling
- Aluminum carrying case
- RS232 cable and PC-Windows-Software **AQ2sp**

The PULSAR-80CU 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.

