

Dry Block Temperature Calibrator PULSAR

Types and Temperature Ranges:

Type	Material dry block	Temperature range:
Pulsar-50-AL and Pulsar 65-AL	Aluminum	Ambient temperature to +550°C
Pulsar-50-AL-2I and Pulsar-65-AL-2I	ditto, but with 2 inputs, for ext. reference and test item	
Pulsar-50-AB and Pulsar 65-AB	Aluminum-Bronze	Ambient temperature to +600°C
Pulsar-50-AB-2I and Pulsar 65-AB-2I	ditto, but with 2 inputs, for ext. reference and test item	

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

Typical applications:

- calibration and checking of all kind of thermometer
- calibration and checking of thermostats
- computer aided calibration via RS 232 interface

Technical Data:

Display resolution: 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 400°C): axial $\pm 0.8^\circ\text{C}$
 Temperature range: see table above
 Accuracy of internal reference: $\pm 0.3^\circ\text{C}$ at 450°C
 Integrated reference probe: Resistance thermometer (3-wire)
 Ventilation: integrated, electronic adjusted speed
 RS232 interface: included (built-in)
 Ramp function: min. 0.1°C per minute
 Dry block: diameter 50 mm or 65 mm according to type (see table above)
 Block dept: 185 mm, with 4 holes (4.5 - 6.5 - 9.5 - 17 mm diameter) or 1 hole 40 mm diam.
 Optional: insert for 17 mm hole with diameter as per customers request
 Power supply: 230 VAC, optional 115 VAC.
 Power consumption: 800 VA (1200 VA for dry blocks in aluminum-bronze)
 Case: Metal, dimension: 160 x 340 x 330 mm, weight: 10 kg net (17 kg for dry blocks in aluminum-bronze)
 NOTE: the stated accuracy is valid for ambient temp. +10...+40°C and is guaranteed for 1 year.



Scope of standard Supply:

Temperature Calibrator PULSAR, power supply cable, fuses kit, thermostats connection cables, operating manual, certificate of calibration (traceable), tweezers for inserts removing.

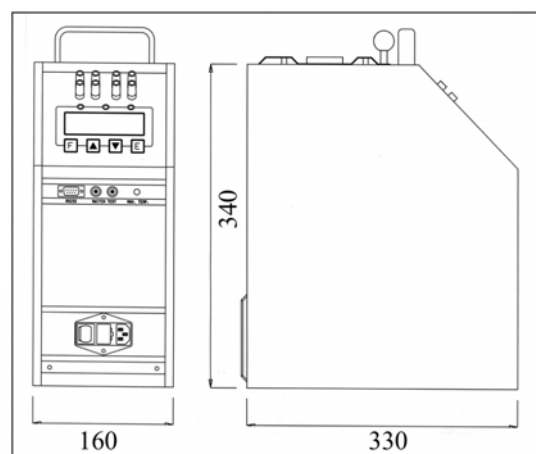
Additional for types Pulsar-50-AL-2I, Pulsar-65-AL-2I, Pulsar 50-AB-2I and Pulsar 65-AB-2I:

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, $\pm 1^\circ\text{C}$).

Optional Accessories:

- Soft bag
- Alu case
- Insert for 17 mm hole, with 1 hole (9.5 mm diam.)
- Insert for 17 mm hole, without holes (to be drilled by customer)
- Insert for 17 mm hole, with hole diam. as per customers request
- PC-Windows Software "AQ2sp" and RS232 cable

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, life cycle tests, thermostat tests. Printing of calibration certificates.



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