

### Dry Block Temperature Calibrator PULSAR

#### Types and Temperature Ranges:

Type	Material dry block	Temperature range:
<b>Pulsar-50-AL</b> and <b>Pulsar 65-AL</b>	Aluminum	<b>Ambient temperature to +550°C</b>
<b>Pulsar-50-AL-2I</b> and <b>Pulsar-65-AL-2I</b>	ditto, but with 2 inputs, for ext. reference and test item	
<b>Pulsar-50-AB</b> and <b>Pulsar 65-AB</b>	Aluminum-Bronze	<b>Ambient temperature to +600°C</b>
<b>Pulsar-50-AB-2I</b> and <b>Pulsar 65-AB-2I</b>	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  
 Max. heating time: 20°C per minute  
 Max. cooling time: 25°C per minute  
 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)  
 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.

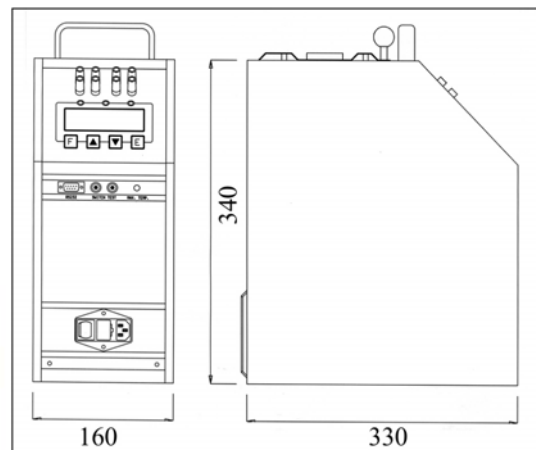
#### Additional for types Pulsar-50-AL-2I, Pulsar-65-AL-2I, Pulsar 50-AB-2I and Pulsar 65-AB-2I:

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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