

#### Dry Block Temperature Calibrator QUARTZ-35

Temperature range: -30°C up to +150°C (at 20°C ambient temperature)

Type QUARTZ-35-2I: with 2 inputs for ext. reference and test specimen

- 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:

Temperature range: -30°C...+150°C (at 20°C ambient temperature)  
 Accuracy of temperature reading:  $\pm 0.15^\circ\text{C}$   
 Integrated reference probe: Resistance thermometer (3-wire), class A  
 Display resolution: 0.01 / 0.1°C (display switchable to °F and K)  
 Stability of regulated temperature:  $\pm 0.03^\circ\text{C}$  (at 0°C)  
 Mean heating time: 20°C per minute / Mean cooling time: 22°C per minute  
 Uniformity (at 0°C): radial  $\pm 0.02^\circ\text{C}$ , axial  $\pm 0.1^\circ\text{C}$   
 Ventilation: 2 vents, electronic regulated  
 RS232 interface: included (build-in)  
 Ramp function: min. 0.1°C per minute  
 Dry block: 140 mm dept, 35 mm diameter  
 Usable dept: 130 mm  
 Power Supply: 230 VAC (optional: 115 VAC)  
 Power consumption: 300 VA  
 Case: metall, dimension 160 x 340 x 330 mm  
 Weight: 10 kg net (shipment weight: 17 kg)  
 NOTE: The stated accuracy is valid for ambient temperature +10°C...+40°C and is guaranteed for 1 year.



#### Scope of standard Supply:

Temperature Calibrator QUARTZ-35, power supply cable, fuses kit, thermostats connection cables, operating manual, certificate of calibration (traceable), tweezers for inserts removing.  
 1 insert with 6 holes (4 - 4.5 - 5.5 - 6.5 - 8.5 - 10.5 mm)

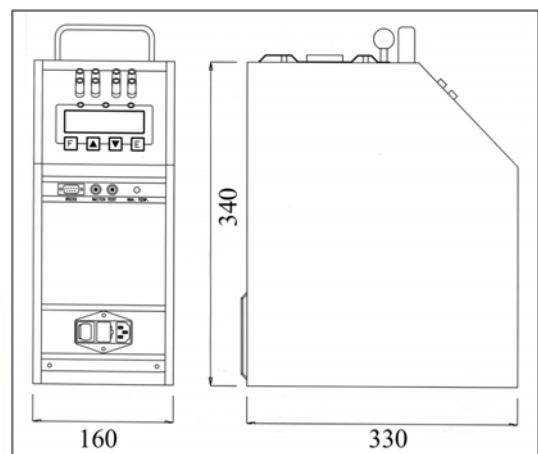
#### Additional for type QUARTZ-35-2I:

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:

- Insert without holes (to be drilled by customer)
- Insert with 3 holes (4.5 - 6.5 - 9.5 mm diam.)
- Insert with 2 holes (6.5 - 19.5 mm)
- Insert with 1-3 holes as per customers request, diameter 3.5 to 20 mm
- Insert with 4-6 holes as per customers request, diameter 3.5 to 20 mm
- Soft bag
- Alu case
- PC-Windows Software "AQ2sp" and RS232-Kabel

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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