LR-Cal

Portable Temperature Calibrator QUARTZ
Dry Block Calibrator -50°C...+150°C

QUARTZ-35

Dry Block Temperature Calibrator QUARTZ-35

Temperature range: 50°C below ambient temperature up to +150°C

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: 50°C below ambient temperature up to +150°C
Accuracy of temperature reading: ±0.15°C at 100°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: ±0.03°C
Max. heating time: 20°C per minute
Max. cooling time: 25°C per minute
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: 135 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.
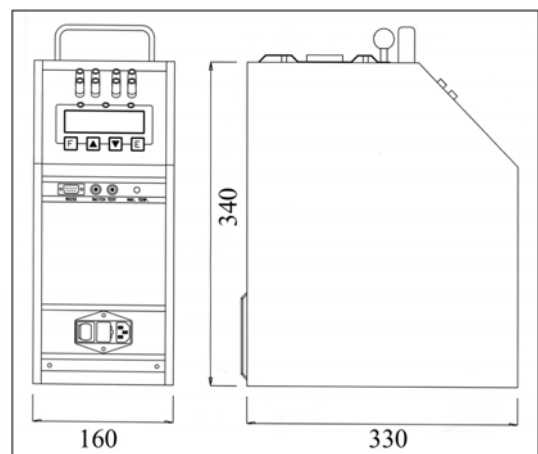1insert with 3 holes (4.5 - 6.5 - 9.5 mm diam.) and 1 insert with 6 holes (4 - 4.5 - 5.5 - 6.5 - 8.5 - 10.5 mm)

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, ±0.3°C), Thermocouple type J (0...1000°C, ±1°C) and Thermocouple types K/N/R/S (0...1300°C, ±1°C).

Optional Accessories:
- Insert without holes (to be drilled by customer)
- 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.