

RTC-156 A/B/C

Dry-block calibrators



Figure: RTC-156B

- **Temperature range: -30 °C to 155 °C**
- **Improved temperature homogeneity: 0.01 °C**
- **Unique dual-zone block**
- **Automatical control via PC (USB)**
- **Easy to use**



Specifications

Model A, B and C offer an internal sensor, model B and C offer also an external sensor and model C offers an additional port for device under test.

Temperature range:

Maximum:	155 °C
Minimum at ambient temperature 0 °C:	-46 °C
Minimum at ambient temperature 23 °C:	-30 °C
Minimum at ambient temperature 40 °C:	-15 °C

Stability: ±0.005 °C

Time to stability (approximate): 10 minutes

Radial homogeneity (difference between holes): 0.01 °C

Accuracy

model A+B+C with internal sensor:	±0.10 °C
model B+C with external sensor:	±0.04 °C

Heating time:	-30 to 23 °C	4 minutes
	23 to 155 °C	15 minutes

Cooling time:	155 to 100 °C	4 minutes
	100 to 23 °C	8 minutes
	23 to -24 °C	15 minutes
	-24 to -30°C	10 minutes

Immersion depth: 160 mm

Resolution (user selectable): 1 °C or 0.1°C or 0.01°C or 0.001°C

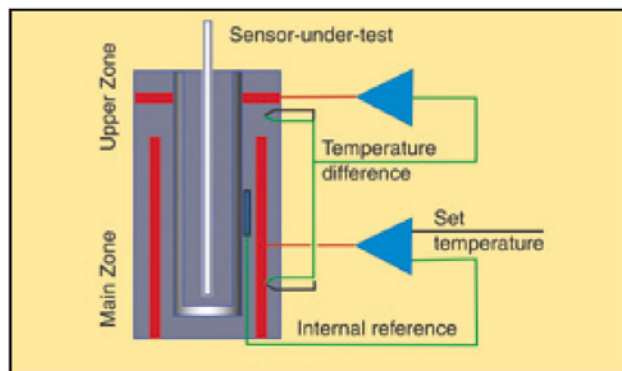
Interface: USB

Instrument weight: 10.5 Kg

Instrument dimensions (L x W x H): 362 x 171 x 363 mm



Dual-zone heating block



the sensor-under-test and from the open top. This design also eliminates the need for extra insulation of sensors-under-test and makes it possible to calibrate liquid-filled and other mechanical sensors.

The RTC series of calibrators provides precision temperature calibration of sensors, whatever the type or format. This is accomplished through an innovative active dual zone heating technology. The JOFRA RTC-156 features our well-known active dual zone heating technology. Each heating zone is independently controlled for precision temperature calibration. The homogeneity in the lower part is close to that of a laboratory liquid bath. The lower zone ensures optimum heat dissipation throughout the entire calibration zone. The upper zone compensates for heat loss from