europascal
Calibration Experts

RTC-187
Reference Temperature Calibrator

Particularly wide temperature range. Combines all advantages of the RTC-156 and RTC-

- **Temperature Range: -45 °C bis 180 °C**
- **High Accuracy up to ±0.04°C**
- **Excellent Stability 0.005°C**
- **Improved Temperature Homogeneity by unique active Dual-Zone Block**
- **Intelligent Reference Sensors and USB Communication**
- **Short Heating and Cooling Times – fast Calibration**
- **Easy to read colour display**

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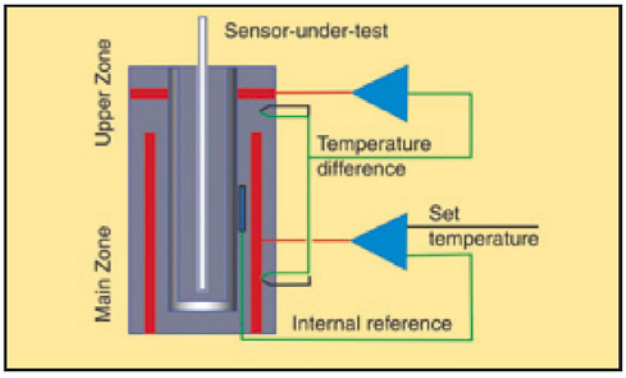
Specifications

Temperature Range		
Minimum at ambient temperature 0 °C:	180 °C	
Minimum at ambient temperature 23 °C:	-57 bis 180 °C	
Minimum at ambient temperature 40 °C:	-45 bis 180 °C	
Minimum at ambient temperature 0 °C:	-31 bis 180 °C	
Stability:	±0.005 °C	
Time to stability (approximate):	10 Minuten	
Radial Homogeneity (Difference between holes):	0.01 °C	
Accuracy with external STS Reference-Sensor**:**	±0.04 °C	
Accuracy with internal Reference Sensor**:**	±0.12 °C	
Heating time:	-45 to 23 °C	7 minutes
	23 to 100 °C	8 minutes
	100 to 180 °C	9 minutes
Cooling time:	180 to 100 °C	8 minutes
	100 to 23 °C	11 minutes
	23 to -30 °C	17 minutes
	-30 to -45 °C	25 minutes
Immersion depth:	160 mm	
Resolution (user selectable):	1° or 0,1° or 0,01° or 0,001°	
Interface:	USB-Port	
Instrument weight:	10.5 kg	
Instrument dimensions (L x W x H):	362 x 171 x 363 mm	
MVI – Verbesserte Temperaturstabilität	MVI Mains powerVariance Immunity“	

Dual-zone heating block



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

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