

Dry block calibrator RTC-159



- Temperature range: -100 °C to 155 °C
- High accuracy up to $\pm 0,06^{\circ}\text{C}$
- Outstanding stability, $0,03^{\circ}\text{C}$
- Improved temperature homogeneity using the active dual zone block
- Intelligent reference sensors and USB communication
- Short heating and cooling times allow time-saving calibrations
- Easily readable color display



Specifications

Temperature range:

Maximum range:	155 °C
Min. @ ambient temperature 0 °C:	-100 °C
Min. @ ambient temperature 23 °C:	-100 °C
Min. @ ambient temperature 40 °C:	-83 °C

Stability:	±0,03 °C
Time to stability (approx.):	10 minutes

Radial homogeneity (Diff. between holes):	0,01 °C
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Accuracy (for model B & C) with external STS reference sensor:	±0,06 °C
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Accuracy (for model A & B & C) with internal reference sensor:	±0,30 °C
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Heating time:	-100 to 23 °C	12 minutes
	23 to 155 °C	14 minutes
Cooling time:	155 to 23 °C	40 minutes
	23 to -80 °C	65 minutes
	-80 to -90 °C	20 minutes
	-90 to -100 °C	50 minutes
	23 to -100 °C	135 minutes
	155 to -100 °C	175 minutes

Immersion depth:	190 mm
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Resolution (user-selectable):	1° or 0,1° or 0,01° or 0,001°
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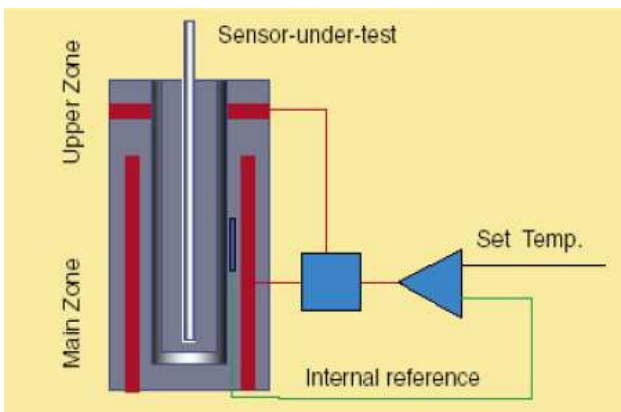
Interface:	USB port
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Gewicht des Gerätes:	15,2 Kg
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Abmessungen des Gerätes (L x W x H):	531 x 169 x 432 mm
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MVI – enhanced temperature stability	MVI stands for mains power variance immunity
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Dual zone heating block



The special block design increases the temperature homogeneity in the critical calibration zone. It minimizes as well the need to isolate the sensor-under-test and allows the calibration of liquid-filled and other mechanical sensors. The main and upper zone ensure an optimal heat dissipation everywhere in the block. The secondary or upper zone compensates the heat loss caused by the upper side of the block and the heat loss caused by the sensor-under-test.