E instruments

IRtech BB Black Body

Black body furnance for Infrared Thermometers calibration

IRtech
Infrared Technology

- Black body low temperature down to -30°C
- Black body high temperature up to 400°C
- High uniformity
- PID power control system

Black Body BB 400°C	
Ambient temperature	0 - 45°C (during operation)
Weight	7.2 kg
Dimensions (H x B x T)	325 mm x 230 mm x 230 mm
Electrical specifications	
Temperature sensor	Pt100
Controller	PID
Power supply	220 V AC, 50 Hz
Power consumption	450 W
Measurement specifications	
Temperature range	T_{amb}+10°C - 400°C
Accuracy	± 0.5°C at 50°C1) ± 1.0°C at 100°C1) ± 1.3°C at 250°C1) ± 2.0°C at 400°C1)
Temperature resolution	0.1°C
Aperture	125 mm
Emissivity	>0,97
Temp Stabilization	45 min. @ 100°C

CE

Black Body BB 125	
Ambient temperature	0 - 45°C (during operation)
Weight	7.5 kg
Dimensions (H x B x T)	230 mm x 230 mm x 325 mm
Electrical specifications	
Temperature sensor	Pt100
Controller	PID
Power supply	220 V AC, 50 Hz
Power consumption	200 W
Measurement specifications	
Temperature range	-30°C - +125°C
Accuracy	± 0.15% full scale
Temperature resolution	0.01°C
Aperture	50 mm
Emissivity	>=0,99 (5 a 125°C), >=0.98 (-30 a 5°C)
Warm-up time	10/15 min.

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Specifications may change without notice.

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