

IRtech BB Black Body

Black body furnace 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

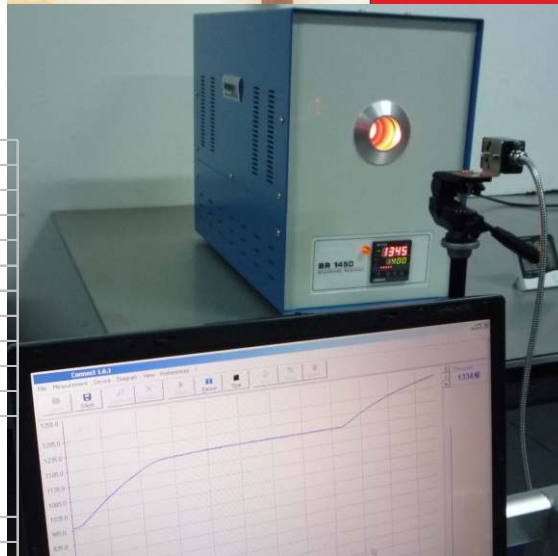
Black Body BB 400°C	
Ambient temperature	0 - 50°C (during operation)
Weight	4.5 kg
Dimensions (H x B x T)	325 mm x 230 mm x 230 mm
Electrical specifications	
Temperature sensor	PT100
Controller	PID
Power supply	220 V AC, 50 Hz
Power consumption	max 1000 W
Measurement specifications	
Temperature range	T _{amb} +5°C - 400°C
Accuracy	± 0.5°C at 50°C(1)
	± 1.0°C at 100°C(1)
	± 1.3°C at 250°C(1)
	± 2.0°C at 400°C(1)
Temperature resolution	0.1°C
Aperture	128 mm
Emissivity	0,97 ±0.02 (for 8-14 μm)
Warm-up time	15 min. (from 25°C to 100°C)
	40 min. (from 25°C to 400°C)
Cool-down time	60 min. (from 100°C to 50°C)
	90 min. (from 400°C to 50°C)

¹⁾ For thermometers with a spectral sensitivity of 8-14 μm with an emission factor between 0,9 and 1,0



Distribuito da:

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Black Body BB 70°C	
Ambient temperature	0 - 45°C (during operation)
Weight	7.2 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	150 W
Measurement specifications	
Temperature range	-30°C - 70°C
Accuracy	± 0.15% full scale
Temperature resolution	0.01°C
Aperture	50 mm
Emissivity	0,99
Warm-up time	10/15 min.