

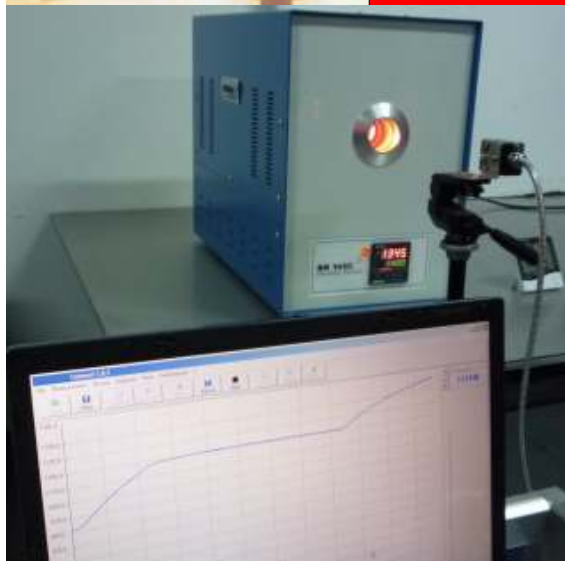
E instruments

IRtech BB Black Body

Black body furnace for Infrared Thermometers calibration

IRtech
Infrared Technology

- Black body high temperature up to 1250°C
- Black body low 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	500 W
Measurement specifications	
Temperature range	T _{amb} +5°C - 400°C
Accuracy	± 0,45°C at 50°C ¹⁾
	± 0,60°C at 100°C ¹⁾
	± 0,90°C at 250°C ¹⁾
	± 1,20°C at 400°C ¹⁾
Temperature resolution	0,1°C
Aperture	128 mm
Emissivity	0,95
Warm-up time	45 min



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



Model	BB70	BB400	BB500	BB1000	BB1450
Temperature range	-30°C-70°C	T _{amb} +10°C-400°C	T _{amb} +10°C-500°C	100°C-1000°C	100°C-1450°C
Temperature resolution	0.01°C	0.1°C	0.1°C	0.1°C	1°C
Aperture	Φ50mm	Φ125mm	Φ125mm	Φ50mm	Φ32mm
Emissivity	>0.97	>0.95	>0.95	0.99	0.99
Dimensions	230×325×230	230×325×230	230×325×230	330×500×620	330×500×620
Weight	7.2kg	7. 2kg	11kg	22kg	27kg