

FIRA BB-100

Blackbody Radiation Source

- Specialized for calibrating infrared thermometers of all sizes : aperture sizes, infrared pyrometers, calibration & verification
- Spatial temperature uniformity, effective radiation calibration surface, regional temperature deviation
- Closed-loop constant temperature regulation, temperature fluctuation & drift, digital temperature controller



SPECIFICATION	
Model	FIRA BB-100
Temperature Range	-20℃ to 100℃
Control Mode	Touch Screen
Temperature Resolution	0.01℃
Temperature Control	PID Automatic Control
Radiation Area(Aperture)	200mm x 200mm
Cavity Emissivity	≥0.95 (Adjustable between 0.95-0.99)
Temperature Accuracy	±0.1℃~0.2℃ (within 10 minutes)
Temperature Uniformity	± (0.1~0.3) ℃@20℃ (Within 2/3 of the area)
Power	220V AC, Max. 800W (Optional 110V/AC Mode)
Weight	20kg
Wire Diameter	≥1.5 square
Size(WxDxH)	300mm x 320mm x 410mm
Operating Environment	22±3℃; 15%-65%RH; ≤2000m
Warm-up time	-20℃:15m-cooling -20℃ to 0℃: 10m 0℃to 40℃: 10m 40℃ to 100℃: 15m
Cool-down time	100℃ to room temperature: 15m

