» SR - 800HT

High Temperature Extended Area Blackbody

The SR-800 HT high temperature extended area blackbody is an absolute infrared radiation source characterized by high uniformity, high stability, high accuracy and high emissivity.
The SR-800 HT is a highly reliable, flexible and dureable blackbody making it the perfect solution for IR systems testing.
The high effective emissivity of the HT blackbody is achieved by radiometric calibration.

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» FEATURES

- High emissivity
- Ethernet and RS232 connection ports
- Touch screen user interface
- Long term temperature stability
- Computerized and fully automatic calibration
- Fast response time
- Large color LCD display
- Windows CE operating system

» SPECIFICATIONS

Model	SR800-4A-HT	SR800-8A-HT	SR800-12A-HT	SR800-35A-HT
Aperture	4”x4”	8”x8”	12”x12”	35”x35”
Absolute temp. range[1]	100°C to 600°C	100°C to 600°C	100°C to 600°C	100°C to 400°C
Set point & readout resolution	0.1°C	0.1°C	0.1°C	0.1°C
Temperature accuracy	0.5°C	0.5°C	0.5°C	0.5°C
Stability		0.5°C ≤ 25 min	0.25°C ≤ 45 min	
Slew rate (Heating)[2]		15°C/min		
Settling time[2]		25 min		
Emissivity[3]		97%±3% (with radiometric correction)		
Uniformity[2] [4]		0.006 T		
Head dimensions [mm] (L D H)	220x160x292	365x200x400	490x225x570	1308X1300X280
Head weight [Kg]	7.2	18.4	41.8	300
Computer control		Ethernet/RS232/IEEE-488 (GPIB)		
Controller dimensions		342x310x133 mm, 19” rack mountable		1308X1300X280
Power supply	230VAC/6A OR 120VAC/11A	230VAC/18A OR 3 ~ (3Phase) 120/208VAC/19A	3 ~ (3Phase) 230/400VAC/16A OR 3 ~ (3Phase) 120/208VAC/32A	3 ~ (3Phase) 230/400VAC/25A OR 3 ~ (3Phase) 120/208VAC/52A
Operating temperature		0° to 50°C		

[1] 50°C to 600°C is optional
[2] Above 150°C
[3] With radiometric correction
[4] On 80% of aperture

Specifications are subject to change without prior notice Cat. No. 607-xxxx January 2016

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