

» SR - 800N HT

High Temperature Extended Area Blackbody



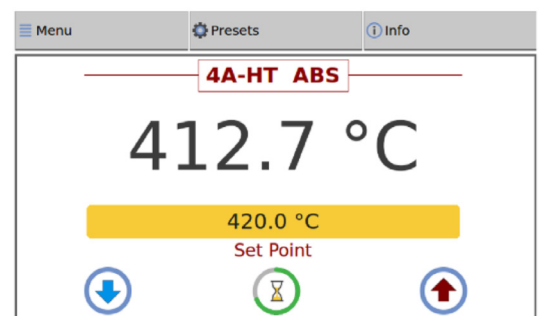
The SR-800N-HT is a high temperature, absolute extended area blackbody IR calibration source, which provides excellence in stability and accuracy, as well as high uniformity.

It is an extremely reliable calibration source with the flexibility required for testing a broad range of IR based systems.

The exceptional effective emissivity of the HT blackbody is achieved with radiometric correction within the range 3 μ m to 12 μ m.

» FEATURES

- ▶ High emissivity
- ▶ High uniformity
- ▶ NIST-traceable calibration
- ▶ Radiometric correction mode
- ▶ Long term temperature stability
- ▶ Computerized and fully automatic calibration
- ▶ Calibrated radiation heads independent of the controller
- ▶ Configurable resolution and stabilization window
- ▶ 19" rack mount kit included



Controller with large color LCD display and touch screen user interface

» SR-800N HT

High Temperature Extended Area Blackbody

» SPECIFICATIONS

Model:	4A-HT	8A-HT	12A-HT	35A-HT
Emitter size	4"x4"	8"x8"	12"x12"	35"x35"
Absolute Temp. range	50 to 600°C	50 to 600°C	50 to 600°C	50 to 250°C
Set point & readout resolution	0.1°C			
Temp. Accuracy	0.5°C			
Settling time (2)	< 25 minutes			
Stability (3)	±0.25°C			
Warm-up time from ambient to T-max	60 minutes			
Uniformity (2), (4)	0.006 x T			
Emissivity (5)	0.97 ±0.03			
Head size (LxDxH), mm	220x160x292	365x200x400	490x225x570	1308x1300x280
Head weight	7.2kg	18.4kg	41.8kg	300kg
Controller size (LxDxH) and weight	342x310x133mm, 10kg, 19" rack mountable (3U)			
Communication ports	Ethernet, RS232 (optional: GPIB)			
Operating Temperature	0 to 50°C			
Operating Voltage option 115V:	115VAC, 50/60Hz (1 Phase)"	115VAC, 50/60Hz (3 Phase)"	115VAC, 50/60Hz (3 Phase)"	-
Typical Current (Slewing):	10A	19A	26A	-
Maximal current (fuse rating):	12.5A	20A	32A	-
Operating Voltage option 230V:	230VAC, 50/60Hz (1 Phase)	230VAC, 50/60Hz (1 Phase)	230VAC, 50/60Hz (3Phase)	230VAC, 50/60Hz (3Phase)
Typical Current (Slewing):	6A	18A	13A	25A
Maximal current (fuse rating):	12.5A	20A	30A	30A

Notes:

- (1) All values were measured at 25°C
- (2) At temperature above 100°C
- (3) After 15 minutes
- (4) Measured at 80% of Central Area
- (5) With radiometric correction

» ORDERING INFORMATION

Model: SR-800N - <input type="text"/>	A - HT - <input type="text"/>
Emmitter size (4 / 8 / 12 / 35)	Operating Voltage Option (120 / 230)
Example: SR-800N-4a-HT-230v	