

» SR - 200N

High Temperature Cavity Blackbody



The SR-200N is a highly reliable and durable cavity blackbody. The SR-200N unique design permits rapid warm-up and cooling. It's unique controller enables the addition of numerous options. The SR-200N operates using the controller's touch keys located on it's front panel and may also be controlled by a computer. In order to keep it's accuracy and NIST traceability, it is recommended to recalibrate the SR-200N yearly.

» SR - 200N

High Temperature Area Absolute Blackbody

» FEATURES

- ▶ High emissivity
- ▶ Communication ports : RS232, Ethernet, GPIB(optional)
- ▶ NIST traceable
- ▶ Touch screen user interface
- ▶ Long term temperature stability
- ▶ Computerized and fully automatic calibration
- ▶ Rapid warm-up and cool-down
- ▶ Large color LCD display
- ▶ Linux operating system

» OPTIONS

- ▶ Manual or motorized aperture wheel (RAD)
- ▶ Filter wheel: manual (MF), motorized (RFD)
- ▶ Variable frequency radiation modulator (chopper)
- ▶ Customized aperture wheel

» SPECIFICATIONS

Model no.	SR-200N 32	SR-200N 33
Aperture	1"	1"
Temperature range	50-1000°C	50-1200°C
Set point resolution	1°C	
Temp. accuracy	± 2C	
Temp. stability	Short term stability (<1 hour) : ±0.25°C Long term stability (>1hour): ±0.4°C	
Emissivity	0.99±0.01	
Power consumption	1500W max	
Aperture wheel	0.8, 1.6, 3.2, 6.4, 9.5, 12.7, 15.9, 22.2 mm Aperture diameter	
Communication ports	RS232, Ethernet, GPIB(optional)	
Power supply	230 or 115 VAC, 50/60 Hz	
Weight	Head: 7Kg, Controller: 10Kg	
Dimensions	Head: 195 x 329 x 214 mm, Controller: 342 x 310 x 133 mm	
Operating ambient temp.	0° to 50°C	

Specifications are subject to change without prior notice

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