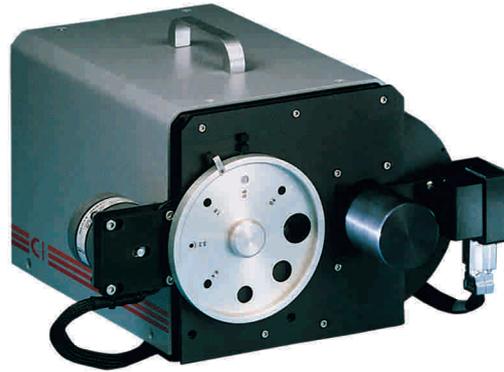


# High Temperature Cavity Blackbody

## SR - 200



The SR-200 is a highly reliable and durable cavity blackbody. The SR-200 unique design permits rapid warm-up and cooling. It's unique controller enables the addition of numerous options. The SR-200 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-200 yearly.



# SR-200

## High Temperature Cavity Blackbody

### FEATURES

- ▶ High emissivity
- ▶ Ethernet, GPIB and RS232 connection ports
- ▶ NIST traceable
- ▶ Touch screen user interface
- ▶ Long term temperature stability
- ▶ Computerized and fully automatic calibration
- ▶ Rapid warm-up and coll-down
- ▶ Large color LCD display
- ▶ Windows CE operating system

### OPTIONS

- ▶ Motorized Aperture wheel (RAD)
- ▶ Filter wheel - manual (MF), motorized (RFD)
- ▶ Variable frequency radiation modulator (chopper)
- ▶ Customized aperture wheel

### SPECIFICATIONS

Model no.	SR-200 32	SR-200 33
Aperture	1"	1"
Temperature range	50-1000°C	50-1200°C
Temperature accuracy	±2.5°C	±3°C
Temperature stability	Short term: ±0.1°C, long term: ±0.25°C	
Cavity uniformity	±4°C @ 800°C	
Emissivity	0.99±0.01	
Power consumption	1000W max	
Aperture wheel	0.8, 1.6, 3.2, 6.4, 9.5, 12.7, 15.9, 22.2 mm dia. apertures	
Set point resolution	1°C (0.1°C optional)	
Computer control	GPIB, RS232, Ethernet	
Power supply	230/115 VAC, 50/60 Hz	
Weight:	Head: 3Kg, Controller: 15Kg	
Dimensions	Head: 195 x 329 x 214 mm, Controller: 440 x 430 x 133 mm	
Operating ambient temp.	Head: -20° to 60°C, Controller: 0° to 50°C	

  
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