

SR-2

High Temperature Cavity Blackbody



E+S SYSTEMS



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The **SR-2** is a highly reliable, flexible and durable cavity blackbody. The **SR-2** uses a compact and lightweight controller for applications where communication with the blackbody is not required.

The **SR-2** is operated using the controller's front panel.

The automatic calibration of the **SR-2** is performed using the CK-20 calibration kit. In order to keep its accuracy and NIST traceability, it is recommended to recalibrate the **SR-2** yearly.

FEATURES :

- ▶ High emissivity
- ▶ High temperature accuracy
- ▶ NIST traceable
- ▶ Manual Aperture wheel with 8 standard apertures
- ▶ Compact and lightweight
- ▶ Long term temperature stability

OPTIONS :

- ▶ Manual filter wheel (RAD)
- ▶ Customized aperture wheel

SPECIFICATIONS :

Model No.	SR-2-32	SR-2-33
▶ Aperture	0.5"	1"
▶ Temperature range	100-1000°C	100-1200 °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	
▶ Computer control	Non	
▶ Power supply	230/115 VAC,50/60 Hz	
▶ Weight	Head:3Kg, Controller:3.5Kg	
▶ Dimensions	Head:195x329x214mm, Controller:92 x 92 x 280 mm	
▶ Operating temperature	Head:-20 ° to 60 °, Controller:0 ° to 50 °	



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Specifications are subject to change without prior notice

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