

Blackbody Source Hyperion R

- Low Temperature Radiation Pyrometer Primary Source
- 50mm Diameter Cavity
- 0.995 Emissivity

The Hyperion R Portable Blackbody Calibration Source allows for calibration of noncontact infrared thermometers over the temperature range -10°C to 80°C.

It is suitable for use as a primary radiation source for infrared thermometers from sub zero to 80°C.

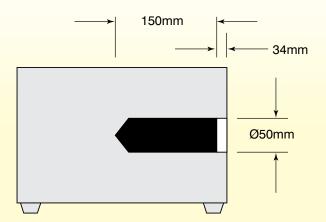
Laboratory performance and low uncertainty calibrations are ensured by the combination by high emissivity and excellent temperature uniformity.

The digital temperature controller allows the block temperature to bet set to any value from -10° C to 80° C.

Traceability of the radiance temperature is established by a separate, built-in temperature indicator and included platinum resistance thermometer.

A three point traceable calibration certificate is included. UKAS calibration of the resistance thermometer is available, as is radiometric calibration.

Uniformity of the block is ensured by using distributed thermoelectric heat pumps with the benefit of solid state, vibration free cooling.



Hyperion R



Model
Temperature Range
Emissivity
Stability
Display Resolution
Heating Time
Cooling Time
Aperture Diameter
Cavity Depth
PC Interface
Power
Voltage
Dimensions

Weight

Options

982

-10°C to 80.0°C Greater than 0.995 ±0.1°C 0.01°C 40 minutes to 80°C 45 minutes to -10°C 50mm 150mm included 200 Watts typical 100-130 or 208-240 Vac H 310mm W 265mm D 200mm 10kg

Orifice Plates 10, 20, 30, 40mm 812-01-06 (Restricts Cavity Aperture) Carrying Case 931-22-64

How To Order Model 982 Hyperion R State Supply Voltage Please state any special calibration requirement