

## 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.

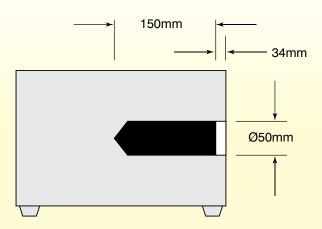
Laboratory performance and low uncertainty calibrations are ensured by the combination by high emissivity and excellent temperature uniformity.

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



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Temperature Range

Emissivity

Stability

Display Resolution

Heating Time

Cooling Time

Aperture Diameter Cavity Depth

PC Interface

Power

Voltage

Dimensions

H 310mm

W 265mm D 200mm

982

±0.1°C 0.01°C

50mm 150mm

included

-10°C to 80.0°C

Greater than 0.995

40 minutes to 80°C

45 minutes to -10°C

200 Watts typical

100-130 or 208-240 Vac

Weight 10kg

## **Options**

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