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 be 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.

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**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.

-10°C to 80°C

Model 982

Temperature Range -10°C to 80.0°C
Emissivity Greater than 0.995
Stability ±0.1°C
Display Resolution 0.01°C
Heating Time 40 minutes to 80°C
Cooling Time 45 minutes to -10°C
Aperture Diameter 50mm
Cavity Depth 150mm
PC Interface included
Power 200 Watts typical
Voltage 100-130 or 208-240 Vac
Dimensions H 310mm
W 265mm
D 200mm
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