The Medusa R Blackbody Calibration Source allows for calibration of noncontact infrared thermometers over the temperature range 30°C to 550°C.

It is suitable for use as a radiation source for infrared thermometers. The cavity is 45 x 285mm deep and suitable for use with the larger Isotech fixed point cells.

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 30°C to 550°C. Uniformity of the large block is ensured by using distributed heating technology.

For the smallest of uncertainties the Medusa R may be used with Isotech ITS-90 Fixed Point Cells, Gallium 29.7646°C, Indium 156.5985°C, Tin 231.928°C and Zinc 419.527°C. The cells are provided with a certificate of metal purity.

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**Model 999 Medusa R**

- **Temperature Range**: 30°C to 550.0°C
- **Emissivity**: Greater than 0.995
- **Stability**: ±0.1°C
- **Display Resolution**: 0.01°C to 99.99; 0.1°C from 100 to 550
- **Heating Time**: 45 minutes
- **Aperture Diameter**: 45mm
- **Cavity Depth**: 285mm
- **PC Interface**: included
- **Power**: 1000 Watts typical
- **Voltage**: 100-130 or 208-240 Vac 50/60Hz
- **Dimensions**: H 480mm W 425mm D 260mm
- **Weight**: 17kg

**Options**

- Fixed Point Cells
- Indium Large Primary Cell 998-06-00A
- Tin Hockey Large Primary Cell 998-06-00B
- Zinc Large Primary Cell 998-06-00C

**How To Order**

Model 999 Medusa R

State Supply Voltage

Please state any special calibration requirement