



Blackbody Source **Medusa R**

- 30°C to 550°C
- Emissivity > 0.995 Cavity 45 x 285mm
- Accepts Isotech Primary Blackbody Cells

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

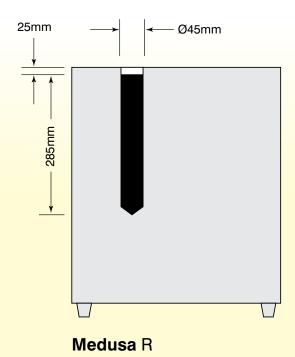
It is suitable for use as a radiation source for infrared thermometers. The cavity is 45 x 285mm deep and suitable for use with the larger Isotech fixed point cells.

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 bet 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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Temperature Range

Emissivity

Stability

Display Resolution

Heating Time

Aperture Diameter

Cavity Depth

PC Interface Power

Voltage

Dimensions

Weight

Options

Fixed Point Cells

Indium Large Primary Cell
Tin Hockey Large Primary Cell

Zinc Large Primary Cell

998-06-00A 998-06-00B

30°C to 550.0°C

0.01°C to 99.99; 0.1°C from 100 to 550

1000 Watts typical

100-130 or 208-240 Vac

45 minutes

45mm

285mm

included

50/60Hz <u>H</u> 480mm

W 425mm D 260mm

17kg

±0.1°C

Greater than 0.995

998-06-00C

How To Order

Model 999 Medusa R

State Supply Voltage

Please state any special calibration requirement