

30 to 550°C

- 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.

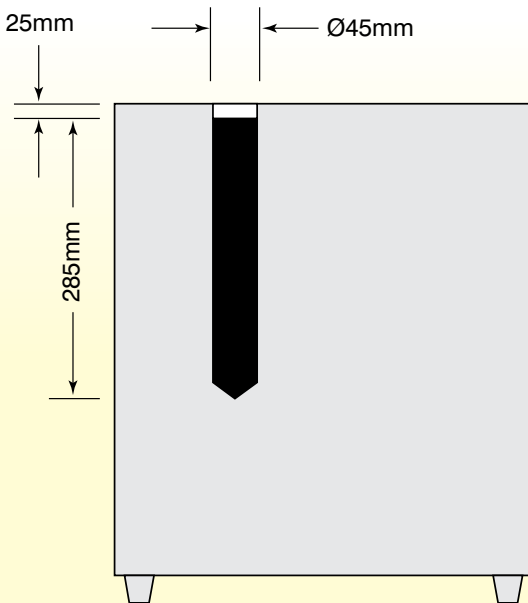
It is suitable for use as a radiation source for infrared thermometers. The cavity is 45 x 285mm deep and suitable for use with the larger Isotech fixed point cells.

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 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.



**Medusa R**

# Blackbody Source Medusa R



<b>Model</b>	<b>999</b>
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
<b>Options</b>	
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