

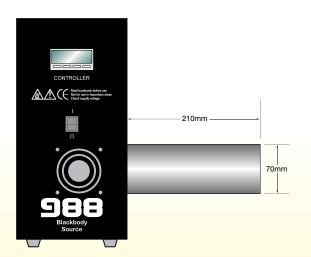
Blackbody Source **Model 988**

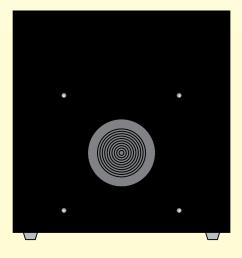
- 20°C to 45°C
- Emissivity better than 0.97 ±0.02
- Controller Resolution 0.01°C

This blackbody source has been introduced to meet the demand for a simple, cost effective but high accuracy calibrator for the calibration of thermal imagers and infrared thermometers used at temperatures around ambient.

A 70mm diameter ridged plate is heated or cooled with an internal solid state thermoelectric heat pump. The temperature of the plate can be set from 20°C to 45°C to a resolution of 0.01°C.

Evaluation showed the advantages of fitting a stainless steel tube around the plate to give better uniformity and less sensitivity to draughts and ambient temperature effects.







http://www.isotech.co.uk

Model 988

Temperature Range 20° C to 45° C Resolution $\pm 0.01^{\circ}$ C

Target Size 70mm Diameter

Emissivity 0.97 ± 0.02 Combined $\pm 0.2^{\circ}$ C
Accuracy / Stability $(\pm 0.3^{\circ}$ F)
Power 60 Watts
Voltage 12 Vdc
Dimensions H 230mm

H 230mm W 225mm D 115mm 4kg

Weight

Optional PC Interface

Accessories
Switch Mode Power Supply Supplied as Standard

100 - <u>240 VAC</u>

How to Order Model 988