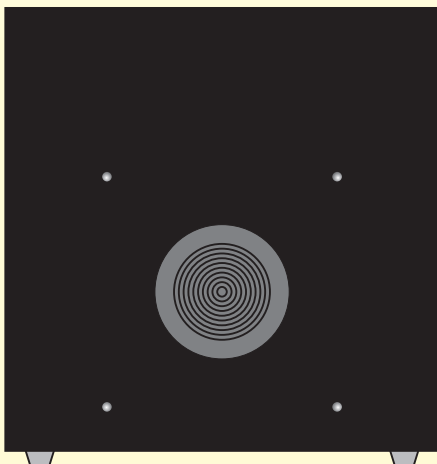
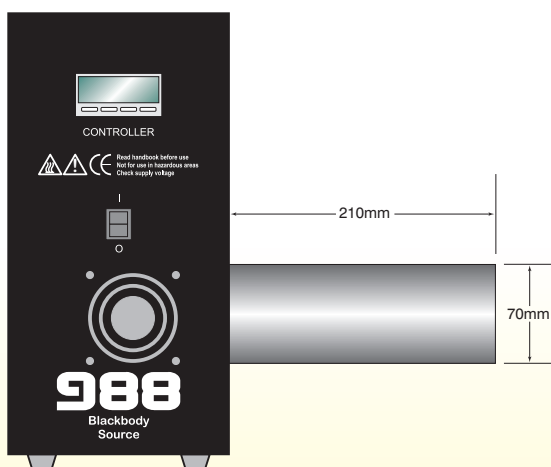


- 20°C to 45°C
- Emissivity better than  $0.97 \pm 0.02$
- Controller Resolution 0.01°C

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 0.1°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.



# Blackbody Source

## Model 988



<http://www.isotechna.com>

<b>Model</b>	<b>988</b>
Temperature Range	20°C to 45°C
Resolution	$\pm 0.1^\circ\text{C}$
Target Size	70mm Diameter
Tube Diameter	54mm Diameter
Emissivity	$0.97 \pm 0.02$
Combined Accuracy / Stability	$\pm 0.2^\circ\text{C}$ ( $\pm 0.3^\circ\text{F}$ )
Power	60 Watts
Voltage	12 Vdc
Dimensions	H 230mm W 225mm D 115mm
Weight	4kg

Optional PC Interface

#### Accessories

Switch Mode Power Supply Supplied as Standard  
100 - 240 VAC

**How to Order**  
Model 988