

Blackbody Source Model 988

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

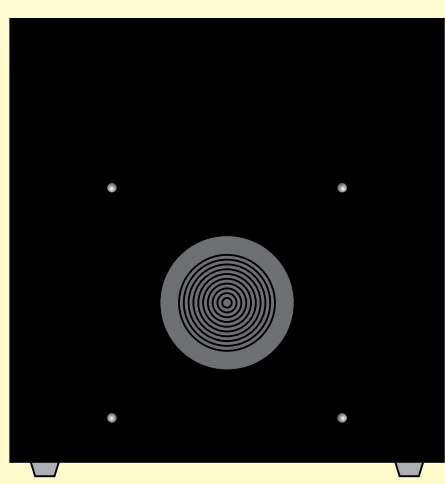
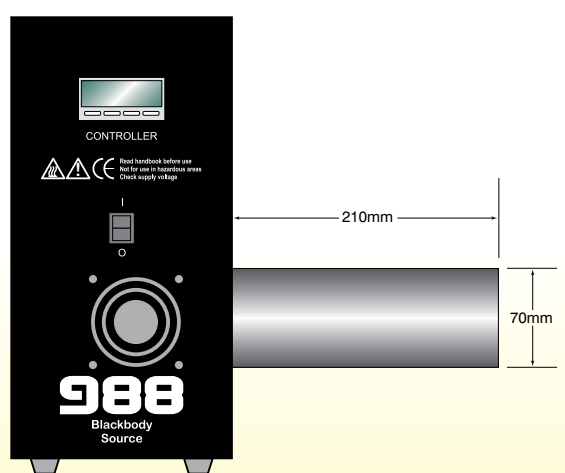
This blackbody source has been introduced to meet the demand for a simple, cost effective but high accuracy calibrator for the calibration of thermal imagers and infrared thermometers used at temperatures around ambient.

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	$\pm 0.01^\circ\text{C}$
Target Size	70mm Diameter
Emissivity	0.97 ± 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