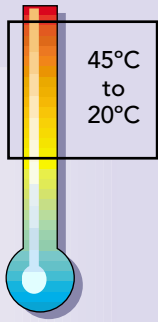


988

Blackbody Source



This new 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.

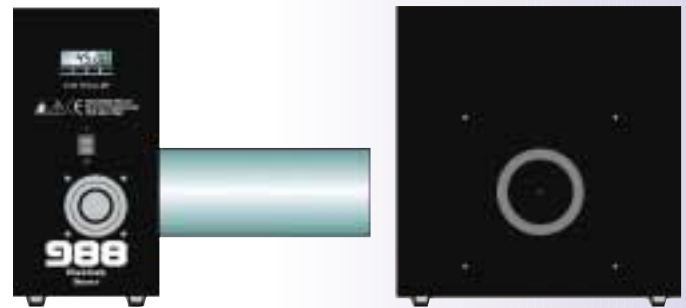
A 70mm diameter ridged plate is heated or cooled with an internal solid state thermoelectric heat pump. The temperature of the plate can be set from 20°C to 45°C to a resolution of 0.01°C.

Features

Combined stability / accuracy of $\pm 0.2^\circ\text{C}$ using contact thermometry.

The temperature controller has a resolution of 0.01°C .

Emissivity is better than 0.97 ± 0.02 .



Model No.	988	
Temperature Range	20°C to 45°C (70°F to 115°F)	
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	70W	
Voltage	12 V.D.C.	
Dimensions	Height	230mm
	Width	225mm
	Depth	115mm
Weight	4kg	
Accessories	Switch Mode Power Supply	
	Supplied as Standard	
	100 - 240 V.A.C	
How to Order	988	

Evaluation at Land Infrared 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.