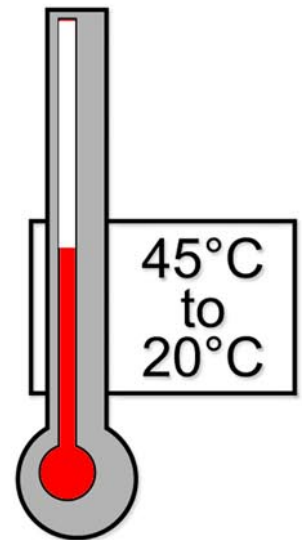


ThermaREF[®] 988B

Blackbody Reference Source



Specification

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 DC

Dimensions

Height	230mm
Width	225mm
Depth	115mm
Weight	4kg

Switch Mode Power Supply Supplied as Standard 100 - 240 V AC

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