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.

Model 988

- Temperature Range: 20°C to 45°C
- Resolution: ±0.01°C
- Target Size: 70mm Diameter
- Emissivity: 0.97 ± 0.02
- Combined: ±0.2°C
- Accuracy / Stability: (±0.3°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