



988

Blackbody source for thermal and
infrared cameras, 20°C to 45°C

The 988 is a low cost Blackbody source for the calibration of thermal imagers and infrared thermometers from 20°C to 45°C with a resolution of 0.01°C.

Description

The 988 is a low cost Blackbody source introduced to meet customer requirements for a simple, cost effective but high accuracy calibrator for the calibration of thermal imagers and infrared thermometers used at temperatures around ambient.

A 70 mm 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 with 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.

Key features:

- Ambient temperature spherical Blackbody source: 20°C to 45°C
- Emissivity: 0.97 at ± 0.02
- Controller resolution: 0.01°C

Specifications

Temperature range	20°C to 45°C
Target size	70 mm diameter
Stability	$\pm 0.2^{\circ}\text{C}$
Accuracy	$\pm 0.2^{\circ}\text{C}$
Emissivity	0.97 at ± 0.02
Heating time	35 min

General specifications

Size	230 x 225 x 115 mm
Weight	4 kg
Display	Resolution: 0.01°C
Power supply	12 V 60 Watts

Models and accessories

Instrument :

988 Source corps noir d'étalonnage pour caméras thermiques et infrarouges,
20°C à 45°C

Livré en standard avec :

- Certificat de calibration en 3 points
- Manuel d'utilisation
- Certificat de traçabilité

CERT988 Certificat de calibration en 3 points (réétalonnage)

Information de transport :

Dimensions sans emballage 230 x 225 x 115 mm

Poids sans emballage 4 kg