

PYROTHERM CCS 130

Compact infrared calibration source/black body

Overview



Description

The calibration source PYROTHERM CCS 130 is used for calibration and examination of pyrometers and infrared cameras. The temperature is set ex-works and is between 30 °C and 130 °C. A robust housing enables the use even in harsh environments. The radiator surface has a high emissivity of 0.98. A precise temperature control guarantees the high precision and stability of the device.

Technical data

Radiator temperature	30 °C to 130 °C (adjustable in steps of 1 °C at the factory)
Aperture diameter	55 mm
Emissivity ¹	0.98 ± 0.01
Measurement uncertainty ¹	0.5 K
Reproducibility	0.2 K
Control stability	0,2 K
Controller	PID
Heat up time	between 5 and 20 minutes
Connections	– 4-pin connection cable 5 m (power supply, input RUN, output READY) – service interface
Operating temperature	0 °C to 40 °C ²
Storage temperature	–20 °C to 70 °C
Dimensions W × H × D	120 × 120 × 90 [mm]
Weight	1.8 kg
Power supply	24 V DC, 1 A

¹ For 8 µm to 14 µm. ² Maximum operating temperature for radiator temperature < 45 °C: Radiator temperature minus 5 °C.