

**DS-2TE127-G4A  
Black Body**

As a standard radiation source, black body has been widely used for calibrating infrared light system, measuring material emissivity, measuring parameters of infrared sensor, and transmitting temperature between infrared emitter and thermal device.

DS-2TE127-G4A is mainly used for the calibration of thermographic device. It helps to measure the temperature in high accuracy.

**Key Feature**

- Supports calibration of thermal device in high accuracy
- Supports different temperature settings
- High accuracy and good stability
- Easy temperature calibration and correction
- Strong ability of anti-interference



## Specification

Parameter	
Temperature Range	Environment Temperature+5 °C (41 °F), up to 50°C (122 °F)
Effective Radiating Area	70 mm ×70 mm (2.76" × 2.76")
Temperature Resolution	0.1 °C (0.18 °F)
Temperature Accuracy	± 0.1 °C (0.18 °F)
Temperature Stability	± 0.1 °C/h
Effective Emissivity	0.97 ± 0.02
Power Consumption	24 VDC, 50Hz, 20 W
Environment Temperature	0 °C to 40°C (32 °F to 104 °F)
Weight	1.85 Kg (4.08 lb)
Dimension	120 mm × 103 mm × 170 mm (4.72" × 4.06" × 6.69")
Power	100 VAC to 240 VAC
Mounting	Mounting on a plane desk or a tripod with 2-1/4-20UNC Interface

## Available Model

DS-2TE127-G4A

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