



Greybody Source & QuickCal Blackbody

Models 975 and 550-02

When the high accuracy of Isotech's superior Blackbody Sources is not necessary these two products offer cost effective solutions for the calibration and testing of infra red thermometers. The QuickCal Blackbody is ideal for rapid and portable checking of infrared thermometers with an emissivity of 0.99 or greater or adjustable emissivity units. The Greybody Model 975 gives fast accurate results with a larger sensing area, for fixed emissivity units typically at 0.95.

A temperature sensor sits just under the target surface and controls the temperature of the source. A custom designed surface sensor is used to set the controller calibration and a NIST traceable certificate is supplied with each source. Either model can be programmed for Fahrenheit operation, at time of order, or in the field.

SPECIFICATIONS

Blackbody Model	550-02
Temperature Range	30°C to 350°C
Display Resolution	0.1°C
Time to Temperature	9 minutes
Target Size	25 x 115mm Cavity with end cone
Stability	±0.5°C
Accuracy	±1°C
Emissivity	>0.99 Surface coating 0.98 - cavity gives overall emissivity of >0.99
Power	110 VAC ±10% 300W
Dimensions	65mm x 152mm x 175mm (HxWxD)
Weight	3.3 lbs (1.5kg)

ACCESSORIES

931-22-66	Optional Carry Case
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HOW TO ORDER

550-02 QuickCal	Black Body Source
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SPECIFICATIONS

Greybody Model	975
Temperature Range	50°C to 350°C
Display Resolution	0.1°C
Time to Temperature	35 minutes
Target Size	70mm Diameter
Stability	±0.5°C
Accuracy	±2°C
Emissivity	>0.95
Power	180 Watts 110 VAC ±10%
Dimensions	115mm x 230mm x 225mm (HxWxD)
Weight	8.6 lbs (3.9kg)

HOW TO ORDER

975 Greybody Source

