



975

Medium temperature lost cost fast  
Greybody source, 50°C to 350°C

The 975 is a low cost fast Greybody source offering a cost effective solution for the calibration and testing of infrared thermometers from 50°C to 350°C. It gives fast accurate results with a larger sensing area.

## Description

The 975 is a low cost fast Greybody source offering a cost effective solution for the calibration and testing of infrared thermometers from 50°C to 350°C. It is ideal when the high accuracy offered by the Gemini R 976 is not necessary.

The Greybody model 975 gives fast accurate results with a larger sensing area. 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 traceable certificate is supplied with each source.

### Key features:

- Medium temperature Blackbody source: 30°C to 350°C
- Emissivity: > 0.95
- Ridged plate target: 70 mm diameter

## Specifications

|                   |                                |
|-------------------|--------------------------------|
| Temperature range | 50°C to 350°C                  |
| Target size       | 70 mm diameter<br>Ridged plate |
| Stability         | $\pm 0.2^{\circ}\text{C}$      |
| Accuracy          | $\pm 2^{\circ}\text{C}$        |
| Emissivity        | $> 0.95$                       |
| Heating time      | 35 min                         |

## General specifications

|              |   |
|--------------|---|
| Size         | 115 x 230 x 225 mm  |
| Weight       | 3.9 kg  |
| Display      | Resolution: $0.01^{\circ}\text{C}$ at 50 / 99,99 and $0.1^{\circ}\text{C}$ at 100 / 350 |
| Power supply | 100 / 130 V or 208 / 240 VAC, 50/60 Hz<br>180 Watts                                     |

## Models and accessories

### Instrument:

975 Medium temperature lost cost fast Greybody source, 50°C to 350°C

Delivered in standard with:

- User manual
- Traceable certificate

Please specify supply voltage required at the order: 100 / 130 V (50/60 Hz) or 208 / 240 V  
(50/60 Hz)

### Packing information:

Size 115 x 230 x 225 mm

Weight without packing 3.9 kg