

Technical Specification

JQ-D70Z Human Temperature Measurement Blackbody

Working Temperature	Factory Settings: 35.0° C (95.0° F), 37° C (98.6° F), 40.0° C (104.0° F) Environmental Temperature: +5° C to 50° C (41° F to 122° F)
Effective Radiant Surface	70 mm x 70 mm (
Temperature Resolution	0.1° C
Temperature Accuracy	±0.2° C (single point)
Temperature Stability	±0.1° C to 0.2° C / 30 minutes
Effective Emissivity	0.97
Temperature Sensor	Pt100
Power Supply	110 VAC to 220 VAC
Power Consumption	35 W
Net Weight	1.80 kg (3.97 lb)
Dimensions (W x H x D)	110.0 mm x 120.0 mm x 180.0 mm (4.33 in. x 4.72 in. x 7.09 in.)
Ambient Operating Conditions	0° C to 40° C (32° F to 104° F) ≤ 80% RH
Accessory	Description
VCT-999	Tripod Two (2) required: • One (1) for thermal camera • One (1) for blackbody
RQW026-00	Connector Two (2) required: • One (1) to connect thermal camera to tripod • One (1) to connect Blackbody to tripod

Installation Recommendations

For Thermal Camera and Blackbody

Lens Focal Length	Distance Between Camera and Blackbody	Distance Between the Human Forehead and the Camera	Channel Width
7.0. mm	3.0 m (118.11 in)	3.0 m (118.11 in.)	1.30 m (51.18 in.)

Note: The accuracy of temperature measurement is best when the human forehead and blackbody are at the same distance from the camera.

