

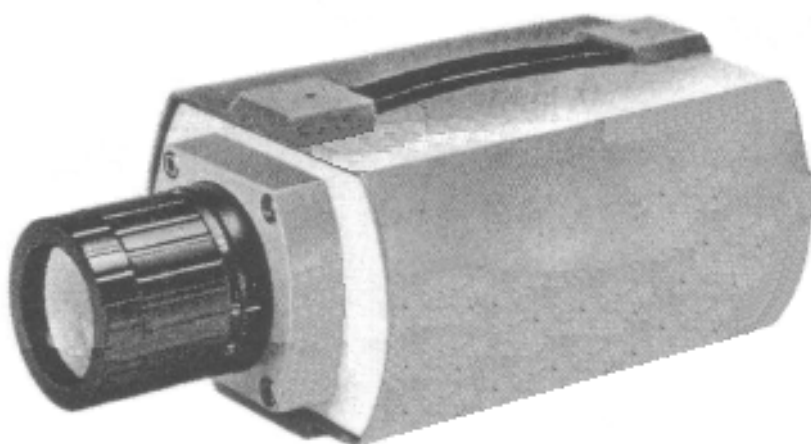
STANDARD INFRARED RADIATION THERMOMETER



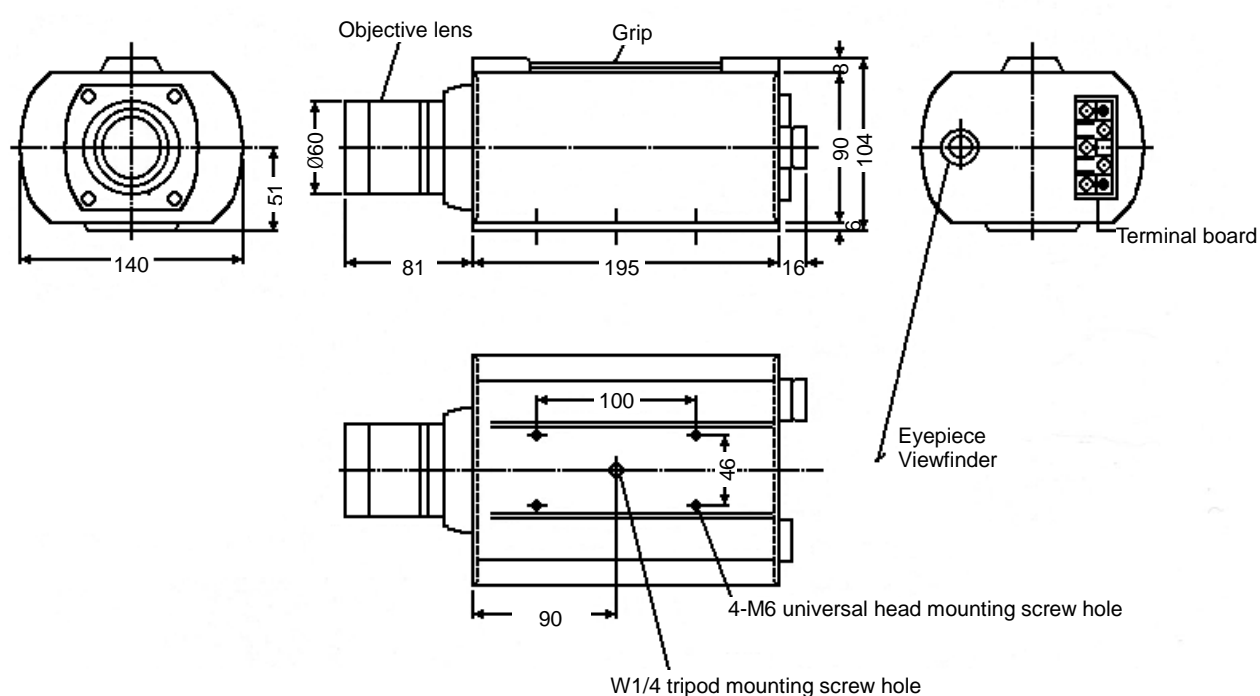
Model IR-RST-65 (0.65 μ m, 900 to 1500°C)

IR-RST-90W (0.90 μ m, 400 to 2000°C)

The single-color standard infrared radiation thermometer is used as a standard unit for a calibration of a radiation thermometer by a comparison black body furnace.
The measuring range is 900 to 1500°C (spectral response: 0.65 μ m) or 400 to 2000°C (spectral response: 0.90 μ m).



■ DIMENSIONS



Unit: mm

■ SPECIFICATIONS

Model	IR-RST-65	IR-RST-90W
Measuring system	Narrow-band radiation thermometer	
Element	Silicon cell	
Effective spectral response	0.65μm (half-value band 18nm)	0.90μm (half-value band 75nm)
Measuring range	900 to 1500°C	400 to 2000°C (3-range switching)
Resolution	Within 1K (at 900°C)	10mK (at Aluminum fixed point temperature)
Distance factor	400	120
Calibration test	Calibration certificate with JCSS logo mark	
	JCS-12	JCS-10
Response time	About 1 second (63% indication)	1 second or faster (63% indication)
Measuring distance	36cm to ∞	
Targeting	Direct viewfinder	
Working temperature	23°C ± 5°C	
Output	About 0 to 10V (with zero-adjusting knob)	
Output of inner temperature		0.1V/°C
Power voltage	100V AC 50/60Hz	
Allowable voltage fluctuation	±5% of rated value	±10% of rated value
Connection	Terminal	Connector
Case	Aluminum, airtight construction	
Weight	About 2.8kg	About 3kg
Mounting	Tripod or universal head	

Specifications subject to change without notice. Original 2002.11

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