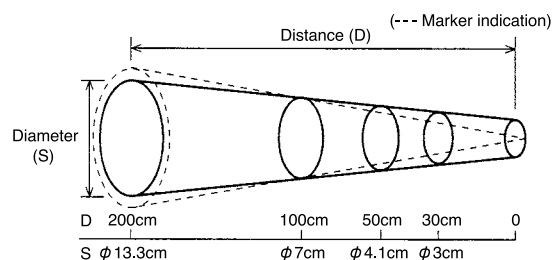


DISTANCE TO SPOT SIZE RATIO (D:S)

(Applicable for SK-8110, SK-8120 and SK-8130)

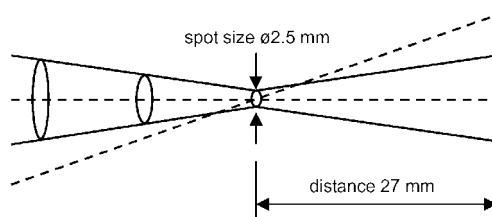
The infrared thermometer focuses infrared energy from an object onto its detector at a rate.

15:1 distance to spot size ratio (D:S) means that the infrared thermometer read the temperature of an area of 7 cm diameter from 100 cm away.

**DUAL POINT LASER INFRARED THERMOMETER**

(Applicable for SK-8140)

This particular thermometer is designed for measuring temperature of a small spot, marked by two laser beams focused. The size of measurable spot is 2.5 mm in diameter measured from about 27 mm away.

**SPECIFICATIONS**

Name	Circle Laser Marker Infrared Thermometer			Dual Point Laser Infrared Thermometer
Cat. No.	8211-00	8212-00	8213-00	8214-00
Model	SK-8110	SK-8120	SK-8130	SK-8140
Measuring range	- 40 to 400°C			- 50 to 500°C
Accuracy (emissivity at 0.95 in 23±5°C)	±1% rdg. at above 200°C ±2°C at 1 to 199°C ±5°C at below 0°C			
Temperature drift (emissivity at 0.95)	±0.1% / °C rdg. at above 200°C ±0.2°C / °C at below 200°C			
Repeatability	less than 1°C at above 30°C (emissivity at 0.95 in 23±5°C)			
Response time	approx. 1.5 second (90% response)			
Emissivity	Selectable among 0.95, 0.90 and 0.85		Adjustable from 0.10 to 1.00 in 0.01 steps	
Distance coefficient	D : S = approx. 15 : 1 (D: distance, S: spot size)			Measuring distance: 27 mm Spot size (diameter): ø 2.5 mm
Detector	Thermopile			
Wavelength	8 to 14 μm			
Targeting system	Circle Laser Marker		Dual Point Laser Marker	
Function	Wavelength: 650 nm Laser output: less than 1 mW (Class II Laser)			
	Auto power-off, Auto backlight			
	High and low temperature alarm PEAK / VALLEY selectable			
Operating ambient	0 to 50°C for temperature Less than 85% RH for humidity (no condensing)			
Waterproof property	JIS C 0920 equivalent to IPX4			
Power requirement	3VDC ("AA" (LR6) size Alkaline battery x 2) Consumption current: 120 mA			
Battery life	approx. 16 hours with use of laser and new Alkaline batteries			
Dimensions	44(W) x 152(H) x 27.5(D) mm			
Weight	approx. 140g (including batteries)			
Materials	Main body: Polycarbonate, Lens: Silicon			
Accessories	Neck strap, "AA" (LR6) size Alkaline battery x 2			