

Specifications

Model		VF-3000
Measuring System		Narrow band radiation thermometer
Detecting Element		Si/InGaAs
Measuring Wavelength		0.9/1.55 μ m
Measuring Range		600 to 2000°C (2-color) 400 to 3000°C (single color)
Accuracy		Lower than 1000°C: $\pm 6^{\circ}\text{C}$ 1000°C to 1500°C: $\pm 0.6\%$ of reading 1500°C to 2000°C: $\pm 1.2\%$ of reading Higher than 2000°C: $\pm 2.4\%$ of reading
Repeatability		$\pm 1^{\circ}\text{C}$
Stability	Temperature drift	Lower than 1000°C: $0.2^{\circ}\text{C}/^{\circ}\text{C}$ Higher than 1000°C: $0.02\%/^{\circ}\text{C}$ of reading
	In the test environment required by EMC directives	$\pm 15^{\circ}\text{C}$
Resolution		1°C
Response Time		0.2 second
Emissivity adjustment		0.100 to 1.900
Measuring Mode		Maximum value, minimum value, average value
Signal Modulation		Peak, delay
Display System		LCD digital 4 digits, Displayed in the viewfinder and in external display
Data Memory Function		Maximum 100 data
Optical System		Fixed focus type
Distance/diameter		$\varnothing 20/4000\text{mm}$ (Ref. [Distance and diameter])
Targeting		Direct viewing finder
Lens Diameter		$\varnothing 20\text{mm}$
Other Functions		Auto-power-off, Automatic back-lit display, Continuous measurement, $^{\circ}\text{C}/^{\circ}\text{F}$ selection, Battery check, High / low alarms
Ambient Temperature		0 to 50°C
Power Supply		2 AA (UM-3) alkaline batteries (about 30 hours for continuous measurement)
Casing Material		ABS resin
Weight		About 350g (thermometer only)
Attachment		2 pieces of AA (UM-3) battery

* At $\square = 1.0$. reference operating conditions: $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, relative humidity: 35 to 75%RH