



EK-P550/P950 Non-contact Infrared Thermometer

Product Function

For non-contact temperature measurement, the thermometer determines the surface temperature of an object by measuring the infrared energy radiated from the surface of the object. It is suitable for the safe measurement of high temperature, toxic or difficult to reach objects.

Product features

1. Spot laser targeting.
2. back lit display.
3. MAX (highest), MIN (lowest), DIF (difference), AVG (average).
4. The launch rate is adjustable.
5. High temperature and low temperature alarm.
6. Data logging.

Technical Specification

Product model	EK-P550	EK-P950
Product Picture		
Temperature Range	-50°C ~ 550°C	-50°C ~ 950°C
Resolution Ratio	0.1°C	0.1°C
Repetitiveness	The larger of the 1% reading or $\pm 1^{\circ}\text{C}$ is taken	The larger of the 0.5% reading or $\pm 1^{\circ}\text{C}$ is taken
Spectral Response	8um~14um	8um~14um
Weight	It weighs about 92g	About 240g
Size	145mmX37mmX90mm	200mmX120mmX55mm
Certainty of Measurement	-50°C ~ 0°C $\pm 2.5^{\circ}\text{C}$ 0°C ~ 100°C $\pm 2.0^{\circ}\text{C}$ 100°C~550°C $\pm 2.0^{\circ}\text{C}$ or $\pm 2.0\%$ whichever is greater	-50°C ~ 23°C $\pm 2^{\circ}\text{C}$ 23°C~500°C $\pm 1.5^{\circ}\text{C}$ or $\pm 1.5\%$ whichever is greater 500°C~950°C $\pm 3.0^{\circ}\text{C}$ or $\pm 3.0\%$ whichever is greater
Environmental temperature: 23°C $\pm 3^{\circ}\text{C}$		
Power Supply	9V carbon or alkaline battery	
Response Time	500 mSec	
Laser Aiming	Spot laser (less than 1mW)	
Tripod Installation	1/4in.20UNC Leptospiriosis	
Battery Life	It can operate for 20 hours with the laser and backlight on; it can operate for 40 hours with the laser and backlight off	
Operating Temperature & Humidity	0°C ~ 40°C; 10%~90%RH, non-condensing	
Storage Temperature	-20°C ~ 50°C	
Accessories	Instrument: 1; 9V alkaline battery: 1	Instrument: 1; instrument box1;9V battery: 1

