



Technical Data Sheet

VA8090

*Infrared Temperature
Thermocouple Meter*



Application

This Infrared Temperature Thermocouple meter VA8090 combines two precision thermometers in one unit: a noncontact infrared thermometer and a thermocouple thermometer. This meter can match standard type K sensor.

Product Features

Display	4 digits LCD display
Distance : Square - rate	2:1
Auto power off	20 minutes (thermocouple) / 25 seconds (infrared)
Low battery indicator	√
Data hold	√
MAX/MIN	√
AVG	√
Backlight	√
Size	121 x 60 x 30 mm (4.76 x 2.36 x 1.18 inch)
Weight	~180g (6.349 ounces)

Product Specifications

Measuring Range	Thermocouple: -200~1300°C (-328°F~2372°F)
	Infrared: -50~300°C (-58°F~572°F)
Resolution	Thermocouple: 1°C/ 1°F (thermocouple 1000°C/ 1832°F)
	Infrared: 0.1°C/ 0.1°F
Accuracy	Thermocouple: ± (0.2% reading +1°C/ 2°F)@ (-200~-100°C/ -328~-148°F)
	Thermocouple: ± (0.1% reading+0.7°C/ 1.4°F)@ (-100~1300°C/ -148~2372°F)
	Infrared: ±5°C/ 9°F@ (-50~-20°C/ -58~-4°F)
	Infrared: ± (1.5% reading +3°C/ 5°F) @ (-20~300°C/ -4~572°F)
Operating environment	0~50°C (32~122°F), 0~90%RH
Storage environment	-10~60°C (14~140°F), 0~80%RH
Sample rate	0.5 second
Laser Power	less than 1 mW
Emissivity	0.95

Accessories Included

- Free K-Type thermocouple wire
- Free 1.5V x3 AAA batteries
- Free protect cover
- Free protective carrying case
- Free Wrist Strap/String
- User Manual

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