



1. ELECTRICAL SPECIFICATIONS

Accuracy is given as [% reading + degree] at 23°C ± 5°C ; < 80%.RH

Infrared measurement

Range	Resolution	Accuracy	Temperature coefficient	Responding time
-20°C a 500°C -4°F a 932°F	0.1°C 0.1°F	± 2% rdg + 2°C ± 2% rdg ± 4°F	0.1*(± 3% rdg ± 3°C/6°F) from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 82°F to 104°F)	1s

Spectral Response : 6 ~ 14µm.
 Field of view : 8:1 ; optics ratio with a 1" min target.
 Emissivity : 0.1 ~ 1.0
 Sighting : Laser marker 1mw (class 2).
 Sensor : Thermopile.

Type K measurement

Range	Resolution	Temperature coefficient	Responding time
-100°C a 1333°C -148°F a 1999°F	0.1°C, 1°C 0.1°F, 1°F	0.1 times the applicable accuracy specification for °C from 0°C to 18°C and 28°C to 40°C (32°F to 64°F and 82°F to 104°F)	1s

Function	Resolution	Range	Accuracy
°C	0.1°C	-100°C to 0°C	± (0.2%rdg + 1.0°C)
		0°C to 200°C	± (0.1%rdg + 0.8°C)
	1.0°C	200°C to 1333°C	± (0.2%rdg + 2°C)
°F	0.1°F	-58°F to 32°F	± (0.2%rdg + 2°F)
		32°F to 200°F	± (0.1%rdg + 2.0°F)
	1°F	200°F to 1999°F	± (0.2%rdg + 4°F)

NOTA: reading error probe is not included on basic accuracy. Refer to technical specification of Type K probe for details.





2. GENERAL INFORMATIONS

Display:	backlight LCD Display.
Auto power off:	approx. 15s (Infrared), 30 minutes (Type K)
Over range indication:	"OL" or "-OL".
Low battery indication:	BT will be displayed in LCD when the battery voltage drops below the operating voltage.
Power supply:	single 9V battery 006P 9V or IEC6F22, or NEDA1604.
Battery life:	approx. 50hours (laser pointer and backlight turn off).
Operating temperature:	0°C to 50°C (32°F to 104°F).
Operating humidity:	below 80%RH.
Operating altitude:	up to 2000 meters.
Storage temperature:	-10°C to 60°C (14°F to 140°F).
Storage humidity:	below 70%RH.
Dimensions:	170(L)×52(W)×38mm(H) 6.7(L)×2.1(W)×1.5(H) inches.
Weight:	approx. 180g batteries included.