



1. TECHNICAL SPECIFICATIONS

Accuracy is indicated as [% of readings + degree] at reference of: 18 ÷ 24°C ; < 80%HR

Infrared temperature measurements

Feature	Range	Resolution	Accuracy	Response time
°C	-50°C ÷ -20°C	0.1°C	±5.0°C	<1s
	-20°C ÷ 200°C		± (1.5%rdg + 2.0°C)	
	200°C ÷ 538°C		± (2.0%rdg + 2.0°C)	
	538°C ÷ 1050°C		± (3.5%rdg + 5.0°C)	
°F	-58°F ÷ -4°F	0.1°F	±9.0°F	<1s
	-4°F ÷ 392°F		± (1.5%rdg + 3.6°F)	
	392°F ÷ 1000°F		± (2.0%rdg + 3.6°F)	
	1000°F ÷ 1922°F		± (3.5%rdg + 9.0°F)	

Spectral response: 8 ÷ 14µm
Distance / Spot ratio: 30:1
Emissivity range: 0.10 ÷ 1.00
Sensor: thermopile
Laser pointer: <1mW (Class 2)


Temperature measurement with type K probe

Feature	Range	Resolution	Accuracy (*)	Response time
°C	-50°C ÷ 1000°C	0.1°C	± (1.5%rdg + 3.0°C)	<1s
	1000°C ÷ 1370°C		± (1.5%rdg + 2.0°C)	
°F	-58°F ÷ 2000°F	0.1°F	± (1.5%rdg + 5.0°F)	<1s
	2000°F ÷ 2498°F	1°F	± (1.5%rdg + 3.6°F)	

(*) The declared accuracy not include the errors of external type K probes connected at meter



2. GENERAL INFORMATION

Display :	LCD with backlight
AutoPowerOFF:	about 7s
Over range indication :	"OL" or "-OL"
Low battery indication:	"  " symbol
Alarm thresholds:	High and Low limits
Features:	Data HOLD, MAX/MIN/DIF/AVG
Power supply:	1x9V battery type IEC 6F22, NEDA1604
Life battery:	about 50 hours (with laser pointer and backlight off)
Internal memory:	20 locations
Working temperature:	0°C to 50°C (32°F to 122°F)
Working humidity:	<80%HR
Storage temperature:	-20°C to 60°C (-4°F to 140°F)
Storage humidity	<70%RH
Max altitude:	2000m
Dimensions (LxWxH):	100x56x230mm
Weight (included battery):	ca 290g

OPTIONAL ACCESSORY (TYPE K PROBES)

Model	Accuracy	Response time	Range	Probe length (mm)	Probe diameter (mm)
TK107	± 2.2%rdg	4s	-40 ÷ 800°C	200	1.5
TK108					3
TK109					4
TK110					5
TK111			-40 ÷ 400°C	260	