



1. TECHNICAL SPECIFICATIONS

Accuracy indicated as $[\pm(\% \text{reading})$ or $\pm \text{degrees}]$ referred to a temperature of $23^{\circ}\text{C} \div 25^{\circ}\text{C}$ ($73^{\circ}\text{F} \div 77^{\circ}\text{F}$)

INFRARED TEMPERATURE MEASUREMENT

Function	Range	Resolution	Accuracy	Response time
°C	-50°C ÷ 20°C	0.1°C	±3.5°C	<150ms
	20°C ÷ 300°C		±(1%reading + 1°C)	
	300°C ÷ 1000°C		±(1.5%reading)	
°F	-58°F ÷ 68°F	0.1°F	±6.3°F	
	68°F ÷ 572°F		±(1% reading + 1.8°F)	
	572°F ÷ 1000°F		±(1.5% reading)	
	1000°F ÷ 1832°F	1°F		

Spectrum response:

8 ÷ 14µm

D/S ratio:

20:1

Emissivity field:

0.10 ÷ 1.00

Reading repeatability:

-50°C ÷ 20°C (-31°F ÷ 68°F) → ±1.8°C (±3.2°F)

20°C ÷ 1000°C (68°F ÷ 1832°F) → ±0.5%reading o ±0.5°C (±0.9°F)

Laser pointer:

Class 2 (<1mW, according with EN60825-1)

Over range indication:

“----” symbol at display

TEMPERATURE WITH TYPE K PROBE

Function	Range	Resolution	Accuracy (*)	Response time
°C	-50°C ÷ 20°C	0.1°C	±2.0°C	<150ms
	1000°C ÷ 1370°C	1°C	(-50°C ÷ 0°C) ±(0.5%reading + 1.5°C) (0°C ÷ 1370°C)	
°F	-58°F ÷ 68°F	0.1°F	±3.6°F	
	1000°F ÷ 2498°F	1°F	(-58°F ÷ 32°F) ±(0.5%reading + 3°F) (32°F ÷ 2498°F)	

(*) Accuracy of instrument without probe

2. GENERAL SPECIFICATIONS

EMC:	IEC/EN61326-1:2006, IEC/EN61326-2:2006
Laser source:	IEC/EN60825-1, Class 2
Max operating altitude:	2000m
Fall test:	2m
Mechanical protection:	IP54
Display:	LCD Custom, 4 dgt with backlight
Power supply:	3x1.5V alkaline batteries type AA LR06
Auto power OFF:	after 10s' idling
Operating temperature/humidity:	0°C ÷ 50°C / 10% ÷ 90%RH
Storage temperature/humidity:	-10°C ÷ 60°C / <70%RH
Dimensions (L x W x H):	180 x 105 x 55mm
Weight (included batteries):	240g

**This instrument satisfies the requirements of EMC Directive 2014/30/EU
This instrument satisfies the requirements of European Directive 2011/65/EU (RoHS) and 2012/19/EU
(WEEE)**