



1. TECHNICAL SPECIFICATIONS

Accuracy indicated as $[\pm(\% \text{reading}) \text{ or } \pm \text{degrees}]$ referred to a temperature of $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$

INFRARED TEMPERATURE MEASUREMENT

Function	Range	Resolution	Accuracy	Response time
$^{\circ}\text{C}$	$-30^{\circ}\text{C} \div 500^{\circ}\text{C}$	0.1°C	$\pm 3.0^{\circ}\text{C}$ ($-30^{\circ}\text{C} \div -10^{\circ}\text{C}$) $\pm 2.0^{\circ}\text{C}$ ($-10^{\circ}\text{C} \div 0^{\circ}\text{C}$) $\pm 1.5^{\circ}\text{C}$ or $\pm 1.5\%$ reading (higher value) ($>0^{\circ}\text{C}$)	<500ms (95% reading)
$^{\circ}\text{F}$	$-22^{\circ}\text{F} \div 932^{\circ}\text{F}$	0.2°F	$\pm 6.0^{\circ}\text{F}$ ($-22^{\circ}\text{F} \div 14^{\circ}\text{F}$) $\pm 4.0^{\circ}\text{F}$ ($14^{\circ}\text{F} \div 32^{\circ}\text{F}$) $\pm 3^{\circ}\text{F}$ or $\pm 1.5\%$ reading (higher value) ($>32^{\circ}\text{F}$)	

Spectrum response:	$8 \div 14 \mu\text{m}$
D/S ratio:	12:1 (calculated at 95% battery level)
Emissivity field:	$0.10 \div 1.00$
Temperature coefficient:	$\pm 0.1^{\circ}\text{C}/^{\circ}\text{C}$ or $\pm 0.1\%$ reading (higher value)
Reading repeatability:	$\pm 8\%$ reading or $\pm 1.0^{\circ}\text{C}$ (2°F) (higher value)
Laser pointer:	Output <5mW, $\lambda = 650\text{nm}$, device Class 3R, EN60825-1:2014
UV pointer:	$\lambda = 460\text{nm}$ (in compliance with IEC62471) (low risk Group 1)

2. REFERENCE GUIDELINES

Safety:	IEC/EN61010-1:2001
EMC:	IEC/EN61326-1:2006, IEC/EN61326-2:2006
Laser source:	IEC/EN60825-1 :2007, Class 3R
UV source:	IEC62471 (Group 1)
Max operating altitude:	2000m (6592ft)
Vibrations:	2.5g compliance with IEC60068-2-6, $10 \div 200\text{Hz}$
Shock:	50g compliance with IEC60068-2-27, 11ms
Fall test:	1.2m (4ft)

3. GENERAL SPECIFICATIONS

Display:	LCD Custom, 5 dgt with backlight
Power supply:	3x1.5V alkaline batteries type AA LR06
Battery life:	approx 20 hours (with active laser and backlight after 5 minutes' idling)
Operating temperature:	$-10^{\circ}\text{C} \div 50^{\circ}\text{C}$
Operating humidity:	$10\% \div 90\%$ HR
Storage temperature:	$-20^{\circ}\text{C} \div 60^{\circ}\text{C}$
Storage humidity:	<70%HR.
Dimensions (L x W x H):	185 x 104 x 54mm
Weight (included batteries):	380g