1. TECHNICAL SPECIFICATIONS

Accuracy indicated as [±(%reading) or ±degrees] referred to a temperature of 23°C±2°C

INFRARED TEMPERATURE MEASUREMENT

Function	Range	Resolution	Accuracy	Response time
°C	-30°C ÷ 500°C	0.1°C	±3.0°C (-30°C ÷ -10°C) ±2.0°C (-10°C ÷ 0°C) ±1.5°C or ±1.5%reading (higher value) (>0°C)	<500ms (95% reading)
°F	-22°F ÷ 932°F	0.2°F	±6.0°F (-22°F ÷ 14°F) ±4.0°F (14°F ÷ 32°F) ±3°F or ±1.5%reading (higher value) (>32°F)	

Spectrum response:	8 ÷ 14µm
D/S ratio:	12:1 (calculated at 95% battery level)
Emissivity field:	0.10 ÷ 1.00
Temperature coefficient:	±0.1°C/°C or ±0.1%reading (higher value)
Reading repeatability:	±8%reading or ±1.0°C(2°F) (higher value)
Laser pointer:	Output <5mW, λ= 650nm, device Class 3R, EN60825-1:2014
UV pointer:	λ = 460nm (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÷200Hz
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
Auto power OFF:	after 5 minutes' idling
Operating temperature:	-10°C ÷ 50°C
Operating humidity:	10% ÷ 90%HR
Storage temperature:	–20°C ÷ 60°C
Storage humidity:	<70%HR.
Dimensions (L x W x H):	185 ×104 ×54mm
Weight (included batteries):	380g

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