



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 $\pm 1.5\% \text{reading}$ (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 $\pm 1.5\% \text{reading}$ (higher value) ($>32^{\circ}\text{F}$)	

Spectrum response:

D/S ratio:

Emissivity field:

Temperature coefficient:

Reading repeatability:

Laser pointer:

UV pointer:

$8 \div 14 \mu\text{m}$

12:1 (calculated at 95% battery level)

$0.10 \div 1.00$

$\pm 0.1^{\circ}\text{C}/^{\circ}\text{C}$ or $\pm 0.1\% \text{reading}$ (higher value)

$\pm 8\% \text{reading}$ or $\pm 1.0^{\circ}\text{C}(2^{\circ}\text{F})$ (higher value)

Output <5mW, $\lambda = 650\text{nm}$, device Class 3R, EN60825-1:2014

$\lambda = 460\text{nm}$ (in compliance with IEC62471) (low risk Group 1)

2. REFERENCE GUIDELINES

Safety:

EMC:

Laser source:

UV source:

Max operating altitude:

Vibrations:

Shock:

Fall test:

IEC/EN61010-1:2001

IEC/EN61326-1:2006, IEC/EN61326-2:2006

IEC/EN60825-1:2007, Class 3R

IEC62471 (Group 1)

2000m (6592ft)

2.5g compliance with IEC60068-2-6, $10 \div 200\text{Hz}$

50g compliance with IEC60068-2-27, 11ms

1.2m (4ft)

3. GENERAL SPECIFICATIONS

Display:

Power supply:

Battery life:

Auto power OFF:

Operating temperature:

Operating humidity:

Storage temperature:

Storage humidity:

Dimensions (L x W x H):

Weight (included batteries):

LCD Custom, 5 dgt with backlight

3x1.5V alkaline batteries type AA LR06

approx 20 hours (with active laser and backlight

after 5 minutes' idling

$-10^{\circ}\text{C} \div 50^{\circ}\text{C}$

$10\% \div 90\% \text{HR}$

$-20^{\circ}\text{C} \div 60^{\circ}\text{C}$

$<70\% \text{HR}$

$185 \times 104 \times 54\text{mm}$

380g