

# Elcometer 214L IR Digital Laser Thermometer

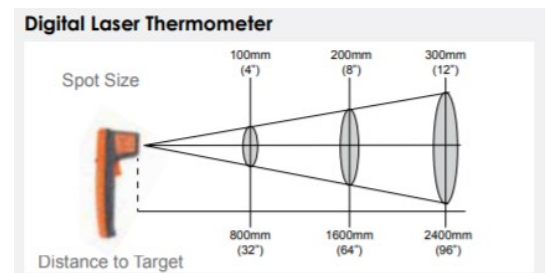


The Elcometer 214 is a simple, easy-to-use, non-contact thermometer which safely and accurately measures surface temperature of non-reflective materials using infrared technology. These versatile units can also be used to measure body temperature of humans.

With a user switchable measuring range of  $-35^{\circ}\text{C}$  to  $365^{\circ}\text{C}$  a digital display of the temperature is produced in  $<1$  second.

- Non-contact technology with laser spot indicator
- Fast, 1 second scanning of any surface
- Measure objects as small as 25mm
- Distance-to-Target Ratio of 8:1
- Easy to read LCD display

The Elcometer 214 IR Digital Laser Thermometer has a D/T ratio (Distance-to-Target) of 8:1 and measures the emitted energy from a target spot one-eighth the size of the working distance. As can be seen in the diagram, if the distance from the sensor optics to the target is 200mm for example, the diameter of the measured area is 25mm.



## Technical Specification

Part Number	Description
G214L----3	Elcometer 214 Infrared Digital Laser Thermometer
Measuring Range	$-35^{\circ}\text{C}$ to $365^{\circ}\text{C}$
Ambient Temperature	0 to $50^{\circ}\text{C}$
Resolution	$0.2^{\circ}\text{C}$
Accuracy	$\pm 1.5^{\circ}\text{C}$
Distance-To-Target	8:1, 25mm spot size
Emissivity	Fixed at 0.95
Response Time	1 second
Battery Type	2 x LR03 (AAA)
Battery Life	14+ hours continuous use
Dimensions	166 x 34 x 64mm
Weight	113g

## Packing List

Elcometer 214 Infrared Digital Laser Thermometer
2 x AAA batteries (fitted)
Wrist Strap
Operating Instructions

