

Elcometer 214L IR Digital Laser Thermometer

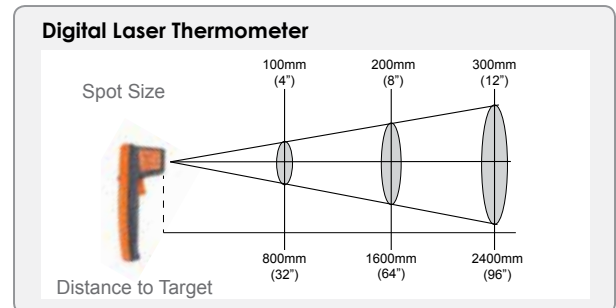
The Elcometer 214 is a simple, easy to use, non contact thermometer which safely and accurately measures surface temperature of non-reflective materials using infrared technology.

With a user switchable measuring range -35°C to 365°C or -31°F to 689°F , a digital display of the temperature is produced in less than one second.

- Non-contact technology with laser spot indicator
- $^{\circ}\text{C}$ / $^{\circ}\text{F}$ user switchable
- Fast, 1 second scanning of any surface
- Measure objects as small as 25mm (1")
- 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 below, if the distance from the sensor optics to the target is 200mm (8") for example, the diameter of the measured area is 25mm (1").



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Technical Specification

Part Number	Description		
G214L----3	Elcometer 214 Infrared Digital Laser Thermometer		
Measuring Range	-35°C to 365°C (-31°F to 689°F)		
Ambient Temperature	0 to 50°C (32 to 122°F)		
Resolution	0.2 $^{\circ}\text{C}$ (0.5 $^{\circ}\text{F}$)		
Accuracy	$\pm 1.5^{\circ}\text{C}$ (2.7 $^{\circ}\text{F}$)		
Distance-To-Target	8:1, 25mm (1") spot size		
Emissivity	Fixed at 0.95		
Response Time	1 second		
Battery Type	2 x AAA batteries	Battery Life	14+ hours continuous use
Dimensions	166 x 34 x 64 (6.5 x 1.3 x 2.5")	Weight	113g (3.98oz)
Packing List	Elcometer 214 Infrared Digital Laser Thermometer, 2 x AAA batteries (fitted), wrist strap and operating instructions		