

## Elcometer 204 Steel Ultrasonic Material Thickness Gauge – Discontinued

### Replaced by the **Elcometer MTG**

Pre-calibrated for ease of use, the new Elcometer 204 steel ultrasonic thickness gauge provides fast, accurate measurement of the thickness of steel.

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Displays key statistics

In addition to the material thickness measurement, the new Elcometer 204 displays key statistical values required to assess the overall material thickness; number of readings (n), the average material thickness ( $\bar{x}$ ), the lowest (Lo) and highest (Hi) material thickness, the standard deviation ( $\sigma$ ) and the coefficient of variation (CV%).

Zero Point calibration for accuracy

The new, easy to use, Elcometer 204 has zero point calibration, ensuring accurate thickness measurements on steel surfaces.

Live data output to PC

As each measurement is taken, the new Elcometer 204 transmits the thickness values via USB straight into an inspection application or into ElcoMaster®, for instant report generation.

Key features of the Elcometer 204 Steel Ultrasonic Material Thickness Gauge include:

- Pre-calibrated for measuring on steel only
- Measures steel thickness from 0.63mm up to 500mm (0.025 - 20")
- Pre-set measurement rate of 4Hz (4 readings per second) provides faster readings
- Supplied with everything required for use



- Measures the material thickness when there is access to only one side
- Integrated zero disc, ensures maximum accuracy
- Transfer live readings via USB to ElcoMaster®
- Intelligent transducer attached with auto-recognition ensures correct probe is identified when the transducer is changed. The Elcometer 204 is supplied with a 5MHz ¼" Potted Right Angle Dual Element Thickness Transducer.

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## Product Features

<b>Material Thickness Gauge with 5MHz ¼" Dual Element Transducer</b>	
<b>Easy to use menu structure in multiple languages</b>	■
<b>Tough, impact, waterproof &amp; dust resistant; equivalent to IP54</b>	■
<b>Bright colour screen; with automatic or manual brightness adjustment</b>	■
<b>Scratch and solvent resistant display; 2.4" (6cm) TFT</b>	■
<b>Large positive feedback buttons</b>	■
<b>USB power supply via PC</b>	■
<b>Gauge software updates<sup>1</sup> via ElcoMaster® Software</b>	■
<b>Data Output</b>	
<b>USB; to PC</b>	■
<b>2 year gauge warranty<sup>2</sup></b>	■
<b>Auto transducer recognition &amp; 'V-path' correction</b>	■
<b>Reading Rate</b>	<b>4 Hz</b>

Measurement Mode	Range	Accuracy	
Pulsed Echo (PE)	0.63 - 500mm	±0.1mm (0.63-19.99mm)	±0.004" (0.025-0.787")
	(0.025 - 20")	±0.5% (20.00-500.00mm)	±0.5% (0.788-20.00")
<b>Measurement Units</b>			
mm or inches			■
<b>Repeatability / Stability Indicator</b>			■
<b>Display Modes</b>			
Reading			■
<b>Selectable Reading Resolution</b>			
Lo; 0.1mm (0.01 Inch), 10m/s (0.001 in/μs)			■
<b>Statistics</b>			
Number of readings (n), Mean (average) (x), Standard deviation (σ), Lowest reading (Lo), Highest reading (Hi), Coefficient of Variation (CV%)			■
<b>Calibration Options</b>			
Zero (using the integrated zero disc)			■

## Technical Specification

Part Number	Description
-	Elcometer 204 Steel Ultrasonic Material Thickness Gauge with 5MHz ¼" Right Angle Dual Element Transducer
Transducer Probe type	Dual Element

<b>Measurement Mode</b>	<b>Pulsed Echo (PE)</b>		
<b>Range &amp; Accuracy</b>	<b>0.63 - 500mm</b>	<b>±0.1mm (0.63-19.99mm)</b>	<b>±0.004" (0.025-0.787")</b>
	<b>(0.025 - 20")</b>	<b>±0.5% (20.00-500.00mm)</b>	<b>±0.5% (0.788-20.00")</b>
<b>Resolution</b>	<b>0.1mm (0.01")</b>		
<b>Reading Rate</b>	<b>4Hz (4 readings per second)</b>		
<b>Operating Temperature</b>	<b>-10 to 50°C (14 to 122°F)</b>		
<b>Data Output</b>	<b>USB</b>		
<b>Power Supply</b>	<b>2 x AA batteries</b>		
<b>Battery Life<sup>3</sup></b>	<b>Alkaline: Approx. 15 hours Lithium: Approx. 28 hours</b>		
<b>Gauge Weight</b>	<b>210g (7.4oz) - including batteries, without transducer</b>		
<b>Gauge Dimensions</b>	<b>145 x 73 x 37mm (5.7 x 2.87 x 1.46") - without transducer</b>		
<b>Packing List</b>	<b>Elcometer 204 steel ultrasonic material thickness gauge, transducer, ultrasonic couplant, carry pouch, screen protector, wrist harness, 2 x AA batteries, operating instructions, calibration certificate and 2 year warranty extension card.</b>		

 **+982165565901**

 **+982144584619**

 **+989034119385**

 **Tehran, Tehransar**