

# **elcometer 415 Paint & Powder Coating Thickness Gauge**



## At a glance:

- Low Cost
- Fast, repeatable & accurate
- Large screen display
- Auto switches between Steel (F) or Aluminium (NF) substrates
- Central Bigfoot™ probe for repeatable results
- On-screen instructions
- Rugged & reliable design

## Features

This easy to use, low cost gauge provides a simple, accurate and reliable way to measure coatings on smooth ferrous (steel) and non-ferrous (aluminium) substrates.

This gauge with its intuitive menu allows you to use it straight out of the box.

- Fast and accurate reading rate:
  - Greater than 60 readings per minute.
- Large, easy to read display:
  - The angled, 'enlarged' display is ideal for viewing from all angles.
- Simple 'zero cal' feature:
  - Complete with factory calibration reset if no access to the uncoated substrate.
- Auto switches to Ferrous or Non-Ferrous:
  - Ideal for measuring paint or powder on both steel and aluminium surfaces.
- Metric or Imperial measurements:
  - Readings can be displayed in microns or mils.
- Bigfoot™ probe for repeatable results:
  - Integral probe with V-groove allows accurate positioning on smooth, flat surfaces.
- Ergonomic design for maximum comfort:
  - Easy to hold gauge allows for regular daily use.
- On-screen instructions:
  - The User is guided through the functions of the gauge - in over 20 languages.
- Rugged & Reliable:
  - Built from ABS plastic, this durable gauge is ideal for the paint & powder coating environment.

**Can be used in accordance with:**

ISO 2178	ISO 2360	ISO 2808
BS 5411 (11) (3)	BS 3900 (C5)	BS 5599
BS EN ISO 1461	DIN 50984	DIN 50981
ASTM B 244	ASTM B 499	ASTM D 1400
ASTM D 1186	SSPC-PA2 2004	

**Technical Specifications**

<b>Range</b>	0 to 1000µm	
<b>Accuracy</b>	±3% or ±3µm	
<b>Resolution</b>	1µm	
<b>Measurement Speed</b>	Greater than 60 readings per minute	
<b>Weight</b>	130g	
<b>Dimensions</b>	110 x 75 x 35mm	
<b>Operating Temperature (ambient)</b>	0° to 50°C	
<b>Maximum Operating Temperature (probe)</b>	80°C	
<b>Storage Temperature</b>	-10° to 55°C	
<b>Case</b>	High impact ABS Plastic	
<b>Batteries</b>	2 x LR03 (AAA) (supplied) alkaline dry batteries or rechargeable equivalents	
<b>Packing list</b>	<b>Paint &amp; Powder Gauge:</b> <ul style="list-style-type: none"> <li>• Elcometer 415 gauge</li> <li>• 4 x check foils (50, 125, 500 &amp; 1000µm)</li> <li>• Soft carry case</li> <li>• Batteries</li> <li>• Operating instructions</li> </ul>	<b>Automotive Gauge:</b> <ul style="list-style-type: none"> <li>• Elcometer 415 gauge</li> <li>• 4 x check foils (25, 75, 125 &amp; 250µm)</li> <li>• Soft carry case</li> <li>• Batteries</li> <li>• Operating instructions</li> <li>• Ferrous checkpiece</li> <li>• Non-ferrous checkpiece</li> </ul>
<b>Part Number</b>	<b>Paint &amp; Powder Gauge:</b> <b>Automotive Gauge:</b>	A415FNFI1 A415FNFI1AUTO

**Part Numbers**

<b>Spares / Accessories</b>	<b>Part Numbers</b>
Ferrous Coating Thickness Standards, 2 Values (50 & 250µm) with Zero Plate	T995166001
Ferrous Coating Thickness Standards, 4 Values (50, 150, 250 & 500µm) with Zero Plate	T995111261
Non-Ferrous Coating Thickness Standards, 2 Values (50 & 125µm) with Zero Plate	T995166011
Non-Ferrous Coating Thickness Standards, 4 Values (40, 75, 125 & 175µm) with Zero Plate	T995111271
Ferrous Checkpiece	T99916925
Non-Ferrous Checkpiece	T99916901
Foil: 25µm	T9904170-
Foil: 50µm	T9904171-
Foil: 75µm	T99011411
Foil: 125µm	T9904172-
Foil: 250µm	T9904174-
Foil: 500µm	T9904175-
Foil: 1000µm	T9904176-