elcometer®

inspection equipment

10.1 µm

Elcometer 415

Industrial Paint & Powder
Thickness Gauge

Elcometer 415

Paint & Powder Coating Thickness Gauge

The Elcometer 415 Industrial Paint & Powder Thickness Gauge provides simple, fast and accurate coating thickness measurements on smooth & thin industrial paint and powder coated surfaces.

STANDARDS:
AS2331.1.4, AS/NZS 1580.108.1, ASTM B 499, ASTM D 1186, ASTM D 1400, ASTM D 7091, ASTM E 376, BS 3900-C5-6A, BS 3900-C5-6B, BS 5411-11, BS 5411-3, BS 5599, DIN 50981, DIN 50984, ECCA T1, EN 13523-1, ISO 2360, ISO 2808-12, ISO 2808-6A, ISO 2808-6B, ISO 2808-7C, ISO 2808-7D, JIS K 5600-1-7, NF T30-124

new

Large easy to read values in microns or mils

1 point & 2 point calibration ensures accuracy on smooth & thin coated substrates

Easy to use, ergonomic design provides maximum comfort for continuous use

Incredibly fast (60+ readings per minute), reducing inspection times, increasing productivity

Measures cured paint & powder coatings up to 1000μm (40mils)

2 YEAR* WARRANTY

Auto rotating large colour display provides clear visibility whatever the angle of measurement

Scratch, solvent & powder resistant display

Transfer live data via USB or Bluetooth® to ElcoMaster® for instant report generation

Rugged & resistant to powder coatings ingress equivalent to IP64

Automatically switches between ferrous & non-ferrous substrates[1]

Ideal for measuring dry film thickness on thin coated substrates.

360° auto rotating display for a clear reading at any measurement angle, on the production line or QA station.

Transfer live data via Bluetooth® to PC, Android™ or iOS mobile devices.[2]

Made for iPod iPhone iPad

Android™

available with **Bluetooth®** wireless technology

compatible with **ElcoMaster®**

Elcometer 415 Model T: Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad (3rd and 4th generation), iPad mini, iPad 2, and iPod touch (4th and 5th generation). "Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod touch, iPhone, or iPad may affect wireless performance.

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In addition to the coating thickness, the Elcometer 415 displays the key statistical values required to assess overall industrial finishing; number of readings (n), average coating thickness ($\bar{x}$), the lowest (Lo) and the highest (Hi) paint thickness.

The Elcometer 415 is easy to use and has 1 point & 2 point calibration, ensuring accurate measurements on smooth & thin industrial paint & powder coated surfaces.

Robust, durable & powder resistant, the Elcometer 415 is available with a 2 year* manufacturer's warranty; giving you peace of mind.

As each measurement is taken, the Elcometer 415 instantly transmits the thickness values via Bluetooth® [2] or USB straight into an inspection application or into ElcoMaster®, Elcometer's Mobile App, for instant report generation.

Technical Specification — C

Model	Model B	Model B	Model T	Model T	Certificate
Part Number	A415CFBI	A415CFNFBI	A415CFTI	A415CFNFTI	●
Built in Probe Type	Ferrous	Ferrous/ Non Ferrous	Ferrous	Ferrous/ Non Ferrous	
Live Data Output	USB	USB	Bluetooth® & USB	Bluetooth® & USB	
On Screen Statistics	Number of readings (n), Average/Mean ($\bar{x}$), Lowest reading (Lo), Highest reading (Hi)				
Fast Accurate Reading Rate	60+ readings per minute		Measurement Range: 0 - 1000µm (0 - 40mils)		
Accuracy[3]	±1-3% or ±2.5µm (±0.1mil)				
Resolution	0.1µm: 0 -100µm; 1µm: 100 - 1000µm (0.01mil: 0 - 5mils; 0.1mil: 5 - 40mils)				
Minimum Substrate Thickness	Steel: 300µm (12mils)		Aluminium: 100µm (4mils) - FNF gauges only		
Operating Temperature	-10 to 50°C (14 to 122°F)		Relative Humidity (RH): 0 to 95%		
Power Supply	2 x AA Batteries or via USB Cable *(rechargable batteries can also be used)*				
Battery Life[4]	Alkaline: Approximately 16 hours Lithium: Approximately 24 hours				
Gauge Dimensions *(h x w x d)*	14.1 x 7.30 x 3.70cm (5.55 x 2.87 x 1.46")				
Gauge Weight	156g (5.5oz) *(including batteries)*				
Packing List	Elcometer 415 gauge, 2 x AA batteries, steel & aluminium check pieces[5], foil set, wrist strap, impact resistant carry case, screen protector[2], calibration test certificate, operating instructions, USB cable[2], ElcoMaster® CD[2] & 2 year warranty extension card				

Accessories

T99916925	Calibration Check Piece; Steel (Ferrous)
T99916901	Calibration Check Piece; Aluminum (Non-Ferrous)
T99022255-1	Foil Set; 0-1000µm (0 - 40mils)
T99022255-1C	Certified Foil Set; 0 - 1000µm (0 - 40 mils)
T99921325	USB Cable
T99922341	Self Adhesive Screen Protectors (Pack of 10)

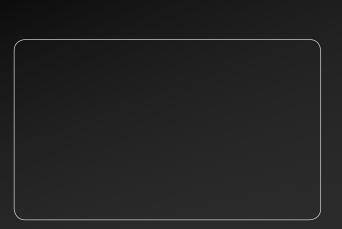[1] Elcometer 415 FNF models   [2] Elcometer 415 Model T

[3] When subject to a 2-point calibration: ±1% when calibrated close to the required thickness, ±3% across the range

[4] Rechargable batteries may differ

[5] F models: steel check piece; FNF models: steel & aluminium check pieces

* Elcometer 415 gauges are supplied with a one year warranty against manufacturing defects.
The warranty can be extended to two years via www.elcometer.com

● Calibration test certificate supplied as standard

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www.elcometer.com

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