

elcometer®
inspection equipment



Elcometer 311
Automotive Paint Meter

Elcometer 311

Automotive Refinishing Gauge

The **Elcometer 311** Automotive Refinishing Gauge is one of the fastest on the market, used to instantly measure paint thickness and provide an indication of the overall condition of paintwork.

Fast reading rate of 60+ readings per minute significantly reduces inspection times

Scratch, solvent & water resistant colour display for protection against accidental damage

Ambient light sensor automatically adjusts the screen brightness to your lighting condition

Ergonomic design gives you maximum comfort when measuring vehicles all day

Large easy to read values in mils & microns

Switches automatically to measure coatings on steel & aluminium¹



Elcometer 311

Automotive Refinishing Gauge



Large easy to read display

Statistics

The Elcometer 311 doesn't just take a thickness measurement

In addition to the coating thickness, the Elcometer 311 displays the key statistics such as the number of readings (n), average coating thickness (\bar{x}), the lowest paint thickness (Lo) and the Elcometer Index Value (EIV)².



Durable & impact resistant case clips straight on to your belt

Powerful

The higher the EIV the more severe the PPW

The EIV provides the inspector with a single number which illustrates the vehicle's overall paint condition and establishes any previous paintwork (PPW) that may have been undertaken.



360° auto rotating display for measuring at any angle

Reliable

Giving you peace of mind

Robust, durable & weather resistant, the Elcometer 311 is available with a 2 year³ manufacturer's warranty.



USB and Bluetooth® data output to iPhone⁵ or Android™ devices

Wireless Connectivity

Connect to any PC, Android™ or iOS mobile device

Instantly transmit your thickness values via USB or Bluetooth® to your PC or mobile device using ElcoMaster^{®4} or your own software application.

STANDARDS:

ISO 2178, ISO 2808, ISO 2808-7C, ISO 2808-7D, ISO 2808-12A, ISO 2808-11B, ASTM E376, JIS K 5600-1-7, AS/NZS 1580.108.1

¹ Elcometer 311 FNF models ² EIV Patent number US 7,606,671 B2 ³ The Elcometer 311 is supplied with a 1 year warranty against manufacturing defects. The warranty can be extended free of charge to 2 years within 60 days of purchase via www.elcometer.com. ⁴ Available on the Elcometer 311 Model T only
⁵ Compatible with iPod, iPhone and iPad.

Elcometer 311
Automotive Refinishing Gauge
Technical Specification

	Model B	Model B	Model T	Certificate
Part Number	A311CFBI	A311CFNFBI	A311CFNFTI	●
Built in Probe Type	Steel (F)	Steel & Aluminium (FNF)	Steel & Aluminium (FNF)	
Live Data output via Bluetooth® or USB			■	
Zero Calibration	■	■	■	
On screen statistics	Number of readings (n), Mean/Average (\bar{x}), Lowest reading (Lo), Elcometer Index Value (EIV) ¹			
Fast accurate reading rate	60+ readings per minute	Measurement Range	0-500µm / 0-20mils	
Accuracy ²	±5% or ±20µm (1.0mil)			
Resolution	10µm (0.5mil)			
Minimum Substrate Thickness ³	Steel: 800µm (30mils)	Aluminium: 300µm (12mils) - 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 (<i>rechargeable batteries can also be used</i>)			
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 (<i>including batteries</i>)			
Packing List	Elcometer 311 gauge, 2 x AA batteries, steel & aluminium check pieces ⁵ , calibration check foil, wrist strap, impact resistant carry case, calibration test certificate, operating instructions, 2 year warranty extension card ⁶			

Accessories

T99916925	Calibration Check Piece; Steel (Ferrous)		
T99916901	Calibration Check Piece; Aluminum (Non-Ferrous)		
T99022570-7A	Calibration Check Foil; Nominal value 125µm (5mils)		
T99922341	Self Adhesive Screen Protectors (Pack of 10)		
T99921325	USB Cable		

Elcometer Index Value - EIV

The Elcometer Index Value (EIV) provides the inspector with a single number which illustrates the vehicle's overall paint condition and establishes whether any previous paint work (PPW) has been undertaken. This quantifiable number determines the extent of rework & the overall quality of the vehicle being appraised.

¹ EIV Patent number US 7,606,671 B2

² Whichever is the greater

³ For specified accuracy

⁴ Using default settings & lithium batteries, alkaline or rechargeable batteries may differ ⁵ F models: steel check piece; FNF models: steel & aluminium check pieces

⁶ The Elcometer 311 is supplied with a 1 year warranty against manufacturing defects. The warranty can be extended free of charge to 2 years within 60 days of purchase via www.elcometer.com.

● Calibration test certificate supplied as standard.

FAST · REPEATABLE · ACCURATE · DURABLE
DATA MANAGEMENT SOFTWARE



Generate **professional reports** at the click of a button - with the **ElcoMaster® App** your office is now wherever you are.



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Elcometer 311 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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