

elcometer®
inspection equipment



Elcometer 311
Automotive Paint Meter

Dry Film Thickness - Digital

Elcometer 311

Automotive Paint Gauge

The Elcometer 311 Automotive Paint Meter is the fastest automotive paint gauge on the market today, used to instantly measure paint thickness and provide an indication of the overall condition of paint work.

STANDARDS:
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

new

- Large easy to read values in mils & microns
- Scratch, solvent & water resistant colour display for protection against accidental damage
- Fast reading rate of 60+ readings per minute significantly reduces inspection times
- Dust & waterproof rugged design equivalent to IP64, ideal for measuring in wet or dry conditions
- Wirelessly connect the Elcometer 311 via Bluetooth® to your own inspection app or ElcoMaster® for seamless reporting¹

2 YEAR*
WARRANTY



- Automatic rotating display allows you to read the thickness value on horizontal & vertical surfaces
- Ergonomic design gives you maximum comfort when measuring vehicles all day
- Ambient light sensor automatically adjusts the screen brightness to your lighting condition
- Automatic temperature compensation accurately measures in desert or alpine conditions alike
- Switches instantly to measure coatings on steel & aluminium²



Durable & impact resistant case clips straight on to your belt



Measures on steel & aluminium body panels²



360° auto rotating display for measuring at any angle

Made for iPod iPhone iPad

Android™

available with Bluetooth® wireless technology

compatible with ElcoMaster.

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.

Automotive Paint Gauge

Elcometer 311

In addition to the paint thickness, the Elcometer 311 displays the key statistical values¹ used to assess the overall condition of the paint work; number of readings (n), average coating thickness (\bar{x}), the lowest paint thickness (Lo) and the Elcometer Index Value (EIV).

The Elcometer Index Value (EIV)³ provides the inspector with a single number which illustrates the vehicle's overall paint condition and establishes any previous paint work (PPW) which has been undertaken. This quantifiable number determines the extent of rework & the overall quality of the vehicle being appraised.

As each measurement is taken, the Elcometer 311 can transmit the thickness value via Bluetooth^{®1} either straight into your inspection application or into ElcoMaster[®], Elcometer's Mobile App, for instant report generation.

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



Technical Specification



Part Number	Model B A311CFBI	Model B A311CFNFBI	Model T A311CFNFTI	Certificate ●
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)			
Fast accurate reading rate	60+ readings per minute	Measurement Range	0-500µm / 0-20mils	
Accuracy ⁴	±5% or ±20µm (1.0mil)			
Resolution	10µm (0.5mil)			
Minimum Substrate Thickness ⁵	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 ⁶	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 ⁷ , calibration check foil, wrist strap, impact resistant carry case, calibration test certificate, operating instructions, 2 year warranty extension card			

Accessories

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

¹ Available on the Elcometer 311 Model T only ² Elcometer 311 FNF models ³ EIV Patent number US 7,606,671 B2

⁴ Whichever is the greater ⁵ For specified accuracy ⁶ Rechargeable batteries may differ

⁷ F models: steel check piece; FNF models: steel & aluminium check pieces

* Elcometer 311 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



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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