

# Elcometer 311 Automotive Paint Meter

Can be used in accordance with:  
 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



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.

With instant material recognition, the Elcometer 311 FNF Paint Meter switches between steel and aluminium panels and is ideal for use in all weather conditions.

The Elcometer 311 Automotive Paint Meter allows the user to quickly identify vehicle's damage not reported in public or commercial condition reports including:

- Hidden rework
- Vehicle impact damage
- Vehicle respray
- Filled body panels

Compatible with ElcoMaster® software and ElcoMaster® Mobile App, individual paint thickness readings can be transferred via USB or Bluetooth® to PC or a mobile device for analysis and instant report generation.

## Features

Key features and benefits of the Elcometer 311 paint gauge include:

- Fast reading rate of 60+ readings per minute significantly reduces inspection times
- Switches instantly to measure coatings on steel & aluminium<sup>1</sup>
- Ergonomic design gives you maximum comfort when measuring vehicles all day
- Automatic temperature compensation accurately measures in desert or alpine conditions alike
- Wirelessly connect the Elcometer 311 via Bluetooth® to your own inspection app or ElcoMaster® for seamless reporting<sup>2</sup>
- Automatic rotating display allows you to read the thickness value on horizontal & vertical surfaces
- Ambient light sensor automatically adjusts the screen brightness to your lighting condition
- Dust & waterproof rugged design equivalent to IP64, ideal for measuring in wet or dry conditions
- Large easy to read values in mils & microns
- Scratch, solvent & water surfaces resistant colour display for protection against accidental damage

## Technical Specifications

	Model B	Model B	Model T
Part Number	A311CFBI	A311CFNFBI	A311CFNFTI
Calibration Test Certificate	●	●	●
Built in Probe Type	Steel (F)	Steel & Aluminium (FNF)	Steel & Aluminium (FNF)
Fast accurate reading rate; 60+ readings per minute	■	■	■
On screen statistics Number of readings, n Average (mean), x Lowest reading, Lo Elcometer Index Value (EIV)			■
Wireless Data output via Bluetooth® or USB			■
Zero Calibration	■	■	■
Accuracy <sup>1</sup>		±5% or ±20µm	
Resolution		10µm	
Minimum Substrate Thickness <sup>2</sup>		Steel: 800µm Aluminium: 300µm - FNF gauges only	
Measurement Range		0-500µm	
Operating Temperature		-10 to 50°C	
Relative Humidity (RH)		0 to 95%	
Power Supply		2 x AA Batteries or via USB (rechargeable batteries can also be used)	
Battery Life <sup>3</sup>		Alkaline: Approximately 16 hours Lithium: Approximately 24 hours	
Gauge Dimensions		14.1 x 7.30 x 3.70cm	
Gauge Weight (incl batteries)		156g	

\* F models: Steel Check Piece FNF models: Steel & Aluminium Check Pieces

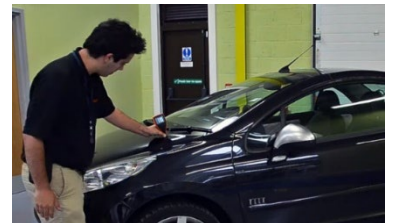
<sup>1</sup> Whichever is the greater

<sup>2</sup> For specified accuracy

<sup>3</sup> Rechargeable batteries may differ

## Packing List

- Elcometer 311 Automotive Paint Meter
- 2 x AA batteries
- Steel & Aluminum check pieces\*
- 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)
- T99916901 Calibration Check Piece; Aluminium (Non-Ferrous)
- T99022570-7A Calibration Check Foil; Nominal value 125µm
- T99921325 USB Cable
- T99922341 Self Adhesive Screen Protectors (Pack of 10)



## ElcoMaster Report Compatibility



### Statistics<sup>2</sup>

**“The new Elcometer 311 doesn’t just take a thickness measurement”**

In addition to the paint thickness, the new Elcometer 311 Paint Meter displays the key statistical values used to assess the overall condition of the paint work; number of readings (n), average coating thickness (x), the lowest paint thickness (Lo) and the Elcometer Index Value (EIV).



### Elcometer Index Value - EIV<sup>3</sup>

**“The higher the EIV the more severe the PPW”**

The Elcometer Index Value (EIV) 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.

Android™

Made for iPhone | iPad | iPod

### Wireless Connectivity<sup>2</sup>

**“Seamlessly connect to any PC, Android™ or iOS mobile device”**

As each measurement is taken, the new Elcometer 311 Automotive Paint Meter can transmit the thickness value via Bluetooth® either straight into your inspection application or into ElcoMaster®, Elcometer’s mobile app, for instant report generation.

### 2 Year Warranty\*\*

**“Each gauge is designed to last”**

Robust, durable & weather resistant, the new Elcometer 311 is available with a 2 year manufacturer’s warranty; giving you a peace of mind.



Durable & impact resistant case clips straight onto your belt



Measures on steel & aluminum body panels<sup>1</sup>



360° auto rotating display for measuring at any angle

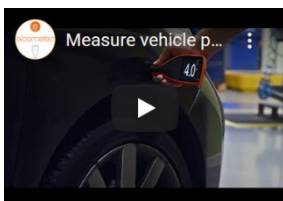
<sup>1</sup> Elcometer 311 FNF models

<sup>2</sup> Available on the Elcometer 311 Model T only

<sup>3</sup> EIV Patent number US 7,606,671 B2

\*\* Elcometer 311 gauges supplied with a one year warranty

## Video



**YouTube Video - Introducing the new Elcometer 311 Automotive Paint Meter (Click on the image to the left to view the video)**

Experience key attributes and benefits of the Elcometer 311 Automotive Paint Meter. This video features the Elcometer 311 performing non-destructive paint thickness measurements on a steel and aluminium car body panels. Detecting hidden automotive rework is now easier and faster than ever before.