

elcometer®  
inspection equipment



Cung cấp bởi:  
**CÔNG TY CỔ PHẦN CÔNG NGHỆ MAI VŨ**  
Địa chỉ: Hà Nội, HCM  
Hotline: 0945 942992 - zalo  
Email: info@mvtek.vn  
Website: <https://mvtek.vn>

**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 & aluminium<sup>1</sup>



**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)<sup>2</sup>.



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 year<sup>3</sup> manufacturer's warranty.



USB and Bluetooth® data output to iPhone<sup>5</sup> 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<sup>®4</sup> 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

<sup>1</sup> Elcometer 311 FNF models    <sup>2</sup> EIV Patent number US 7,606,671 B2    <sup>3</sup> 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](http://www.elcometer.com).    <sup>4</sup> Available on the Elcometer 311 Model T only  
<sup>5</sup> Compatible with iPod, iPhone and iPad.

**Elcometer 311**

**Automotive Refinishing Gauge**

**Technical Specification**

	Model B	Model B	Model T	Certificate
Part Number	<b>A311CFBI</b>	<b>A311CFNFBI</b>	<b>A311CFNFTI</b>	●
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) <sup>1</sup>			
Fast accurate reading rate	60+ readings per minute	Measurement Range	0-500µm / 0-20mils	
Accuracy <sup>2</sup>	±5% or ±20µm (1.0mil)			
Resolution	10µm (0.5mil)			
Minimum Substrate Thickness <sup>3</sup>	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 <sup>4</sup>	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 <sup>5</sup> , calibration check foil, wrist strap, impact resistant carry case, calibration test certificate, operating instructions, 2 year warranty extension card <sup>6</sup>			

**Accessories**

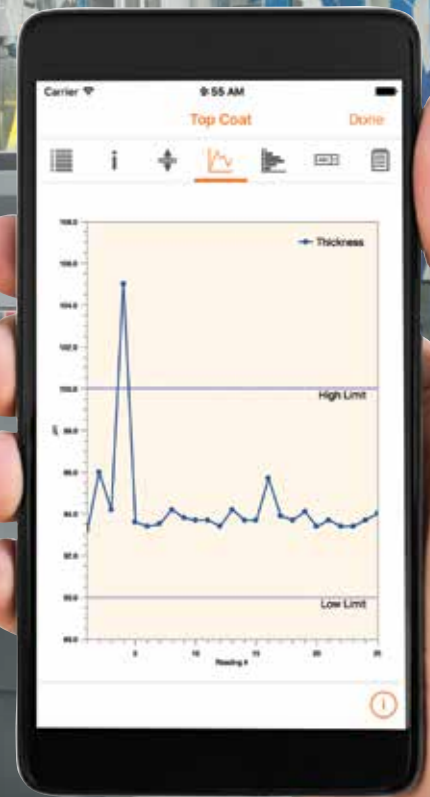
<b>T99916925</b>	Calibration Check Piece; Steel (Ferrous)		
<b>T99916901</b>	Calibration Check Piece; Aluminum (Non-Ferrous)		
<b>T99022570-7A</b>	Calibration Check Foil; Nominal value 125µm (5mils)		
<b>T99922341</b>	Self Adhesive Screen Protectors (Pack of 10)		
<b>T99921325</b>	USB Cable		

**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.

<sup>1</sup> EIV Patent number US 7,606,671 B2      <sup>2</sup> Whichever is the greater      <sup>3</sup> For specified accuracy  
<sup>4</sup> Using default settings & lithium batteries, alkaline or rechargeable batteries may differ      <sup>5</sup> F models: steel check piece; FNF models: steel & aluminium check pieces  
<sup>6</sup> 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](http://www.elcometer.com).  
 ● Calibration test certificate supplied as standard.

FAST · REPEATABLE · ACCURATE · DURABLE  
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**Hotline: 0945 942992 - zalo**  
**Email: info@mvtek.vn**  
**Website: https://mvtek.vn**

#### **ENGLAND**

Elcometer Limited  
Tel: +44 (0)161 371 6000  
Fax: +44 (0)161 371 6010  
sales@elcometer.com  
www.elcometer.com

#### **FRANCE**

Elcometer Sarl  
Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
fr\_info@elcometer.com  
www.elcometer.fr

#### **GERMANY**

Elcometer Instruments GmbH

#### **AALEN**

Tel: +49 (0) 7361 52806 0  
Fax: +49 (0) 7361 52806 77

#### **LEER**

Tel: +49 (0) 7361 528 06 60  
Fax: +49 (0) 7361 528 06 68

de\_info@elcometer.com  
www.elcometer.de

#### **THE NETHERLANDS**

Elcometer B.V.  
Tel: +31 (0)30 259 1818  
Fax: +31 (0)30 210 6666  
nl\_info@elcometer.com  
www.elcometer.nl

#### **JAPAN**

Elcometer KK  
Tel: +81-(0)3-6869-0770  
Fax: +81-(0)3-6433-1220  
jp\_info@elcometer.com  
www.elcometer.co.jp

#### **REPUBLIC OF SINGAPORE**

Elcometer (Asia) Pte Ltd  
Tel: +65 6462 2822  
Fax: +65 6462 2860  
asia@elcometer.com  
www.elcometer.com

#### **UNITED ARAB EMIRATES**

Elcometer L.L.C.  
Tel: +971 4 295 0191  
+971 4 280 3526  
Fax: +971 4 295 0192  
uae\_sales@elcometer.com  
www.elcometer.ae

#### **USA**

#### **MICHIGAN**

Elcometer Inc  
Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
inc@elcometer.com  
www.elcometer.com

#### **TEXAS**

Elcometer of Houston  
Tel: +1 713 450 0631  
Toll Free: 800 521 0635  
Fax: +1 713 450 0632  
inc@elcometer.com  
www.elcometer.com

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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