# elcomete 6 inspection equipment



Elcometer 311 Automotive Paint Meter

# **Elcometer 311**

### 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

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





Durable & impact resistant case clips straight on to your belt

Made for iPhone iPad

# **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.



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 & aluminium<sup>2</sup>



Measures on steel & aluminium body panels  $^{\mathrm{2}}$ 



360° auto rotating display for measuring at any angle







Elcometer 311 Model T: Made for iPhone 6 Plus, iPhone 6, iPhone 5, iPhone 5, iPhone 5, iPhone 4, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad (3rd and 4th generation), iPad mini, iPad 2, andiPod touch (4th and 5th generation). "Made for iPhone," and "Made for iPhone," and "Made for iPhone, and "Made for iPhone," and 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 values<sup>1</sup> 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<sup>®1</sup> either straight into your inspection application or into ElcoMaster<sup>®</sup>, 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				C	
	Model B	Model B	Model T	Certificate	
Part Number	A311CFBI	A311CFNFBI	A311CFNFTI	•	
Built in Probe Type	Steel (F)	Steel & Aluminium (FNF)	Steel & Aluminum (FNF)		
Live Data ouput via Bluetooth® or USB					
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 R	Measurement Range 0-500µm / 0-20mils		
Accuracy <sup>4</sup>	±5% or ±20µm (1.0mil)				
Resolution	10μm (0.5mil)				
Minimum Substrate Thickness <sup>5</sup>	Steel: 800µm (30mils)	Aluminium: 300	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 (rechargeable batteries can also be used)				
Battery Life <sup>6</sup>	Alkaline: Approximatley 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 311 gauge, 2 x AA batteries, steel & aluminium check pieces <sup>7</sup> , calibration check foil, wrist strap, impact resistant carry case, calibration test certificate, operating instructions, 2 year warranty extension card				

# 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)

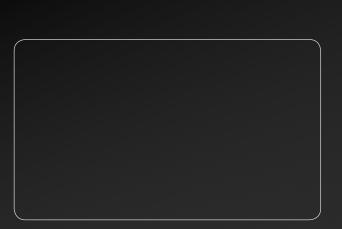
 $<sup>^{1}</sup>$  Available on the Elcometer 311 Model T only  $^{2}$  Elcometer 311 FNF models  $^{3}$  EIV Patent number US 7,606,671 B2

<sup>&</sup>lt;sup>4</sup> Whichever is the greater <sup>5</sup> For specified accuracy <sup>6</sup> Rechargable batteries may differ

<sup>&</sup>lt;sup>7</sup> F models: steel check piece; FNF models: steel & aluminium check pieces

<sup>\*</sup> 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





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