

elcometer®
inspection equipment



Elcometer 311
Automotive Paint Meter

Dry Film Thickness - Digital

Elcometer 311

Automotive Paint Meter

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.

360°
AUTO
ROTATING
SCREEN



Large easy to read values in mils & microns

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

Automatic rotating display allows you to read the thickness value on horizontal & vertical surfaces

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 reporting ¹

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 ²

¹ Available on the Elcometer 311 Model T only

² Elcometer 311 FNF models

³ EIV Patent number US 7,606,671 B2



Durable & impact resistant case clips straight onto your belt



Measures on steel & aluminium body panels ²



360° auto rotating display for measuring at any angle

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Key Features Explained

Statistics¹

In addition to the paint thickness, the new Elcometer 311 displays the key statistical values 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).

Elcometer Index Value - EIV³

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.

Wireless Connectivity¹

As each measurement is taken, the new Elcometer 311 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**

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

** 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



new

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

360°
AUTO
ROTATING
SCREEN



Bluetooth



PDF



Email



Cloud



PC Android™

Made for iPod iPhone iPad

compatible with ElcoMaster.

Dry Film Thickness - Digital

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Technical Specification

| | Model B | Model B | Model T |
|--|---|---|---|
| Part Number | A311CFBI | A311CFNFB | A311CFNFTI |
| Calibration Test Certificate | ● | ● | ● |
| Built in probe type | Steel (F) | Steel & Aluminium (FNF) | Steel & Aluminium (FNF) |
| Minimum Substrate Thickness ^c | Steel: 800µm (30mils) | Steel: 800µm (30mils) Aluminum: 300µm (12mils) | Steel: 800µm (30mils) Aluminum: 300µm (12mils) |
| Fast accurate reading rate; 60+ readings per minute | ■ | ■ | ■ |
| On screen statistics Number of readings, n; Average (mean), \bar{x} ; Lowest reading, Lo Elcometer Index Value (EIV) | | | ■ |
| Wireless Data output via Bluetooth® or USB | | | ■ |
| Accuracy ^b | ±5% or ±20µm (1.0mil) | | |
| Resolution | 10µm (0.5mil) | | |
| Measurement Range | 0-500µm / 0-20mils | | |
| 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 ^d | Alkaline: Approximately 16 hours Lithium: Approximately 24 hours | | |
| Gauge Dimensions | 14.1 x 7.30 x 3.70cm / 5.55 x 2.87 x 1.46" | | |
| Gauge Weight (including batteries) | 156g / 5.5oz | | |
| Packing List | Elcometer 311 gauge, 2 x AA batteries, steel & aluminium check pieces*, calibration check foil, wrist strap, impact resistant carry case, calibration test certificate, operating instructions, 2 year warranty extension card. | | |

^b Whichever is the greater

^c For specified accuracy

^d Rechargeable batteries may differ

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

Accessories

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

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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