elcometer®
inspection equipment

2.5 mils

Elcometer 311
Automotive Paint Meter

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

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 reporting [1]

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 [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

Automotive Paint Meter

Key Features Explained

Statistics[1]

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 - EIV [3]

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 Connectivity[1]

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

Download on the App Store

ANDROID APP ON Google play

PC Android™ Made for iPod iPhone iPad compatible with ElcoMaster®

Dry Film Thickness - Digital

Elcometer 311   Automotive Paint Meter

Technical Specification

	Model B	Model B	Model T
Part Number	A311CFBI	A311CFNFBI	A311CFNFTI
Calibration Test Certificate	●	●	●
Built in probe type	Steel (F)	Steel & Aluminium (FNF)	Steel & Aluminum (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)

www.elcometer.com

V2: 11.08.2015