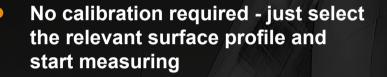
## NEW

## Elcometer 456 **IPC Dry Film Thickness Gauge**

Pre-calibrated with 4 surface profiles to measure dry film thickness on shot or grit blasted substrates



Easy to use straight from the box - minimum training required

> Fully portable, rugged hand-held design ideal for use in the field

- Pre-calibrated with 4 profile ranges
- Displays 3 individual readings together with the average
- Built in integral probe measures in mils or microns
- Measures on flat or curved surfaces
- Bluetooth<sup>®</sup> to PC, iOS & Android<sup>™</sup> devices



## www.elcometer.com

elcometer inspection equipment





#### sales@elcometer.com

## elcometer

### Elcometer 456

#### **IPC Dry Film Thickness Gauge**

**STANDARDS:** ASTM D7091, ISO 2808, ISO 19840, SSPC PA-2, US Navy NSI 009-32 The Elcometer 456 Industrial Protective Coating Thickness Gauge<sup>1</sup> is pre-calibrated to measure DFT on shot or grit blasted steel substrates.



Elcometer 456 IPC: 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 iPad" mean that an electronic accessory has been designed to connect specifically to iPod, 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, iPhone, or iPad may affect wireless performance.

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### IPC Dry Film Thickness Gauge

#### **Elcometer 456**

#### **Product Features**

Model	Model S	Model T
Part Number	A456CFI1-IPC	A456CFTI1-IPC
Test Certificate	•	•
Fast, accurate reading rate; 70+ readings per minute		
Data output		
USB; to computer		
Bluetooth <sup>®</sup> ; to computer, Android <sup>™</sup> & iOS <sup>1</sup> devices		
On screen statistics; in Batch Mode		
Number of readings; η, Mean (average); x̄, Standard deviation; σ, Highest reading; Hi, Lowest reading; Lo, Coefficient of variation; CV%, Elcometer index value²; EIV, Nominal dry film thickness; NDFT, High & low limits; definable audible & visual alarms, Number of readings above high limit; Number of readings below low limit		•
ElcoMaster <sup>®</sup> software & USB cable		
Integral Probe type; Ferrous (F)		
Measurement range; 0 - 1,500µm (0 - 60mils)		
Resolution; 10µm/1mil (where 5µm/0.5mil is rounded up)		
Accuracy <sup>3</sup> ; ±5%		
Minimum substrate thickness; 300µm (12mils)		
Pre-calibrated with 4 profile ranges⁵;		
Smooth 0-25μm 0-1mil, Fine 25-60μm 1-2mils, Medium 60-100μm 2-3mils, Coarse >100μm 3-4mils		
Auto calibration		
Calibration memory type; gauge (g) or gauge & batch (gb)	g	gb
Number of batches; with unique calibrations		2,500
Calibration lock; with optional PIN code unlock		
Delete last reading		
Gauge memory; number of readings		150,000
Individual batch calibrations; sent to PC via ElcoMaster® software		
Limits; user definable audible & visual pass/fail warnings		
Gauge & batch specific limits		
Date and time stamp		
Review, clear & delete batches		
Batch types; normal, counted average		
Batch review graph		
Copy batches and calibration settings		
Alpha-numeric batch names; user definable on the gauge		

#### **Technical Specification**

Battery Type	2 x AA batteries, rechargeable batteries can also be used
Battery Life⁴	Alkaline: Approx. 16 hours Lithium: Approx. 24 hours
Gauge Dimensions (h x w x d)	141 x 73 x 37mm (5.55 x 2.87 x 1.46")
Weight (including batteries)	156g (5.5oz)
Operating Temperature	-10 to 50°C (14 to 122°F)
Packing List	Elcometer 456 IPC Gauge, calibration foils, wrist harness, protective case, 1 x screen protector, USB cable, test certificate, 2 x AA batteries & user guide.

<sup>1</sup> Visit www.elcometer.com/sdk to find out how to integrate Elcometer's MFi certified products to your App. • Test certificate supplied as standard.

<sup>2</sup> Elcometer Index Values are used in the automotive industry to assess a coating's overall quality; USA patent number US7606671B2 <sup>3</sup> When in test calibration mode <sup>4</sup> Using default settings & lithium batteries, alkaline or rechargeable batteries may differ <sup>5</sup> European Patent Number: 2754993

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Elcometer 456 IPC: 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).

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