

# Elcometer 112AL Punched Aluminium Wet Film Combs



Elcometer 112AL Punched Aluminium Wet Film Combs

**At a glance**

- A low cost punched aluminium wet film comb for detecting the thickness of wet coatings.
- Supplied in packs of 10

**Elcometer 112AL Punched Aluminium Wet Film Combs**

These punched aluminium combs offer the User a low cost method of measuring the wet film thickness.

Being punched from Aluminium, the Elcometer 112AL is not as accurate as the high precision version.

Supplied in a pack of 10 combs, which have Metric units (25 - 3000µm) on one side and Imperial values (1 - 118 mils), on the reverse.

**Wet Film Thickness**

It is important that a coating is applied to the correct thickness. Applying too much wet coating will not only waste and money, but also there is also a possibility of the coating cracking during the curing process. Too little coating and there is a chance that the substrate will not be sufficiently covered.

To control process variables, it is often desirable to measure whilst the film is still wet. Wet film measurements are also useful for systems where the dry film thickness can only be measured destructively.

## Test Method - How to use a Wet Film Comb

Place a comb perpendicular to, and touching the substrate. Hold the comb in position and wait a few seconds until the teeth are "wet." Remove the comb from the film.

The wet film thickness lies between the biggest value "coated" or "wet" tooth and the smallest value "uncoated" or "dry" tooth value.

Can be used in accordance with:	
ASTM D 4414-A	BS 3900-C5-7B
ISO 2808-7B	NF T30-125

Model	Description	Range	Part Number
Elcometer 112AL	Elcometer 112AL Aluminium Wet Film Comb (x10)	25 - 3000µm 1 - 118 mils	B112AL12473-3

## Related products



Elcometer 112/3236

Precision formed in stainless steel to be long-lasting and reusable, these hexagonal wet film combs are supplied in a range of thicknesses and can measure up to a maximum thickness of 3000µm (120mils). This high upper value allows measurement of thick coatings which are difficult to test by other methods.



Elcometer 154

Made from ABS plastic, the Elcometer 154 Wet Film Combs are designed to be used only once and kept as a record of wet film thickness measurement for your ISO or customer requirements. Both Metric and Imperial values are on the same comb, 50 to 800µm on one side, 2 to 32mils on the reverse.



Elcometer 115

These precision film combs, formed in stainless steel to be long-lasting and reusable, are supplied in Metric and Imperial values on the same comb. Four separate ranges of thicknesses are available up to a maximum thickness of 1270µm (50mils). Each comb has 10 measurements (or teeth) per comb.



Elcometer 3238

Similar to the Elcometer 115, the Elcometer 3238 provides the user with more measurement points (teeth). These rectangular wet film combs are available in 3 ranges up to a maximum thickness of 1200µm (50mils) – supplied either separately or in a set of 3.



Elcometer 3230

Formally known as the Elcometer 120, the Elcometer 3230 wet film wheel consists of three circles. The central circle is of smaller diameter and is eccentric of the two outer circles. By rolling the gauge through a wet coating, the centre disc eventually touches the film. This point on the scale indicates the thickness. Various measurement ranges from 0 to 25µm - 0 to 3000µm (0 to 1mil - 0 to 40mils) are available.

### ENGLAND

Elcometer Instruments Ltd  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0) 161 371 6000  
Fax: +44 (0) 161 371 6010  
e-mail: sales@elcometer.com  
www.elcometer.com

### USA

Elcometer Instruments Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: inc@elcometer.com  
www.elcometer.com

### CANADA

Elcometer Canada Ltd  
PO Box 622, 401 Ouelette Avenue  
Windsor, Ontario N9A 6N4

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: ca\_info@elcometer.com  
www.elcometer.com

### ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: asia@elcometer.com  
www.elcometer.com

### BELGIUM

Elcometer SPRL  
Rue Vallée 13  
B-4681 Hermalle /s Ardenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: be\_info@elcometer.be  
www.elcometer.be

### FRANCE

Elcometer SARL  
BP 8-Bou  
60 Rue de la Petite Levée  
45430 Chécy

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: fr\_info@elcometer.fr  
www.elcometer.fr

### GERMANY

Elcometer Instruments GmbH  
Himmlingstraße 18  
D-73434 Aalen

Tel: +49 (0) 7366 91 92 83  
Fax: +49 (0) 7366 91 92 86  
e-mail: de\_info@elcometer.de  
www.elcometer.de