

Elcometer 115 Wet Film Combs



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At a glance

- High precision combs for wet film thickness measurements.
- Manufactured from stainless steel, these gauges are designed for re-use over many years.
- Available individually or in a set of 4 combs.

Elcometer 115 Wet Film Combs

These high precision 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.

Each comb is supplied individually in a protective pouch or as a set of 4 in a single leather case.

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
		µm	mils	
Elcometer 115/1	Elcometer 115 Wet Film Comb	25 - 330	1 - 13	B11529451
Elcometer 115/2	Elcometer 115 Wet Film Comb	51 - 457	2 - 18	B11529452
Elcometer 115/3	Elcometer 115 Wet Film Comb	51 - 762	2 - 30	B11529453
Elcometer 115/4	Elcometer 115 Wet Film Comb	127 - 1270	5 - 50	B11529454
Elcometer 115/W	Set of 4 (Scales to be determined by customer when ordering)			B11529459W

The Elcometer 115 can be customised to include your company details. Please contact Elcometer for further information.

Related products



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 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 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 112AL

Being punched from Aluminium, the Elcometer 112AL is not as accurate as the high precision versions but it does provide a low cost alternative for measurement of wet film thickness.



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.

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