

Elcometer 3233 Pfund Thickness Gauge



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At a glance

ñ *Wet film thickness gauge used for measuring translucent fibres such as oils, varnish, adhesives etc.*

Elcometer 3233 Pfund Thickness Gauge

This instrument consists of two concentric cylinders, one sliding inside the other. A spherical glass lens is fitted to the end of the central cylinder and when pressed into the wet film it leaves a trace.

The diameter of this mark depends on the thickness of the coating, which can easily be assessed from the conversion table supplied with the instrument.

- ñ Ideal for measuring the thickness of translucent products (varnish, oils etc.)
- ñ Measurement range of 2.25 to 360µm (0.09 - 14.17mils)

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.

Can be used in accordance with:

ASTM D 121-D	NF T30-125
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Model	Description	Part Number
Elcometer 3233/1	Elcometer 3233 Pfund Thickness Gauge - Aluminium	K0003233M001
Elcometer 3233/2	Elcometer 3233 Pfund Thickness Gauge – Stainless Steel	K0003233M002
Packing List	Elcometer 3233 Pfund Thickness Gauge, Stainless steel rule, Storage case & Operating instructions	

Related products



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 25 μ m - 0 to 3000 μ m (0 to 1mil - 0 to 40mils) are available.



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 3000 μ m (120mils). This high upper value allows measurement of thick coatings which are difficult to test by other methods.



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 1270 μ m (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 1200 μ m (50mils) – supplied either separately or in a set of 3.

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