

Elcometer 2290 Daniel Flow Gauge



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This simple instrument is used to assess the ability of thick or paste-like materials such as paints or printing inks to flow.

The product is poured into the semi-cylindrical reservoir. When the instrument is lifted vertically, the product runs on a graduated plate, which is fixed perpendicular to the reservoir. The distance covered in a given time is the measure of the fluidity.

At a glance

- *Assesses the flow ability of thick materials such as paints.*
- *Liquid is poured into a semi-cylindrical reservoir.*
- *The product runs on a graduated plate when lifted vertically.*
- *The distance flowed in a given time indicates its fluidity.*

Viscosity

The extent to which a liquid resists a tendency to flow is defined as viscosity. In the coatings industry, this behaviour is one of the key parameters.

Elcometer manufactures and supplies a wide range of viscosity gauges from flow cups and dip cups to rotational and cone and plate viscometers

Flow Cups: The process of flow through an orifice can often be used as a relative measurement and classification of viscosity. This measured kinematic viscosity is generally expressed in seconds of flow time which can be converted into Centistokes using a viscosity disc calculator.

Dip Cups: Using the same principle to the flow cups, dip cups – Frikmar, Zahn, Shell, etc – can be used to provide a quick viscosity measurement on the shop floor or on site

Rotational: Rotational viscometers are used to determine the viscosity of liquids which do not depend solely on temperature and pressure. The behaviour of non-Newtonian liquids can be determined using a range of rotational viscometers in particular the Cone & Plate viscometers.

Model	Description	Part Number
Elcometer 2290/1	Daniel Flow Gauge	K0002290M001

Related products



Elcometer 2280

An incredibly simple instrument used to measure the fluidity of a coating.



Elcometer 4290

This film applicator has four spreading edges to form and allows the simultaneous application of several stripes of film of increasing thickness.



Elcometer 4280

This dual Levelling and Sag Tester combines the Elcometer 4260 and the Elcometer 4270 into one gauge.

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