The “Payne” Torsion Viscometer (Gallenkamp Type)

Developed with the Ceramic Industry in mind, (but easily modified for other use), the “Payne” Torsion Wire Viscometer is simple to use and maintain.

This machine is manually operated, comprising of a vertical torsion wire connected to a flywheel over a graduated scale, and a cylinder (bob) which is suspended under the scale.
The torsion viscometer has three levelling points for easy adjustment, a PTFE bearing and a unique sample table which can be raised vertically or rotated horizontally into position to hold the sample cup.
All accessories are fitted and adjustments easily made by means of “brass thumb screws”. This principle removes the need for screwdrivers or allen keys.

When the flywheel is rotated by 360° and then released, the “drag” effect of the sample on the outer part of the cylinder is used to achieve a viscosity reading, which is measured in “degrees overswing”.
(A chart provided with the manual enables the user to convert to cP)

The standard model is supplied with a 30swg torsion wire, an 11/16” bob (cylinder) and a stainless steel sample cup.
Product Code: VIS003

Repairs and Servicing
E.J.Payne Ltd are able to offer a full service / repair on all types of Torsion Viscometer. Please contact us for a competitive quotation.
A full range of spare parts are available from stock.

Accessories and Spares

Torsion wire 24swg	VWI024
Torsion wire 28swg	VWI028
Torsion wire 30swg	VWI030
Torsion wire 32swg	VWI032
Torsion wire 36swg	VWI036
Viscometer bob 1/4” (6.35mm)	VCY025
Viscometer bob 1/2” (12.7mm)	VCY005
Viscometer bob 11/16” (17.46mm)	VCY116
Viscometer bob 1” (25.4mm)	VCY001
Viscometer bob 1 1/8” (28.57mm)	VCY118
Viscometer bob 1 5/8” (41.27mm)	VCY158
Sample cup	VFC001
Sample cup stirrer	VST001

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