RHOPOINT
INSTRUMENTS









www.rhopointinstruments.com

VISCOMIXER

RHOPOINT
PAINTLAB+

- Fully automated
- Paint resistant design
- User certifiable

Rhopoint Instruments Limited
is a member of the
Rhopoint Group

RHOPOINT

PAINTLAB+

Viscosity measurement of coatings is essential at each stage of the manufacturing process to ensure consistent quality standards.

Many parameters can affect the rheological behaviour of a finished coating resulting in undesirable effects such as inconsistent performance, poor levelling or sagging. The use of high precision measuring instruments is therefore essential in quality control to prevent such problems occurring during formulation, manufacture and application.

The *Paintlab+* Viscomixer is a versatile instrument used to measure the change in viscosity during the addition of a solvent or thinner.

Three Viscomixer models are available each offering a different measuring range according to the viscosity of the test sample.

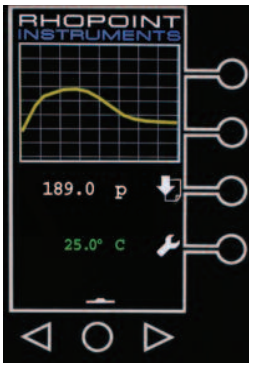
A sample from a production batch can be quickly and easily measured in a 250ml tin and the required thinning ratio determined for scaling into the production process.

The instrument operates at a fixed speed of 562rpm to directly measure the viscosity in Poise (P).



FEATURES

Precise Measurement

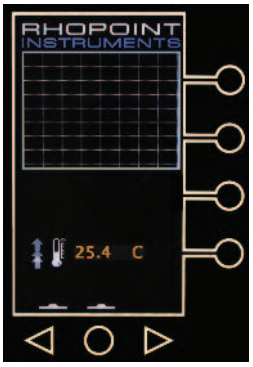


High stability motor speed control ensures accuracy and repeatabilty during each test. Real-time high resolution graphing allows monitoring of changes during measurement providing identification of inconsistencies between samples. Measurement results are displayed instantly on screen after test in all three units.

Advanced temperature monitoring

An integrated temperature probe accurately measures and records sample temperature for each test. As sample viscosity is influenced by test temperature, accurate monitoring and recording ensures reliability of test results.





Automatic Operation

Fully automated operation saves time by accurately lowering the paddle into the sample to the correct height for a number of standard container sizes. Once the test has completed the paddle automatically raises to drain off, saving time during cleaning.

The easy to use quick release magnetic paddle holder allows rapid removal for cleaning after use.



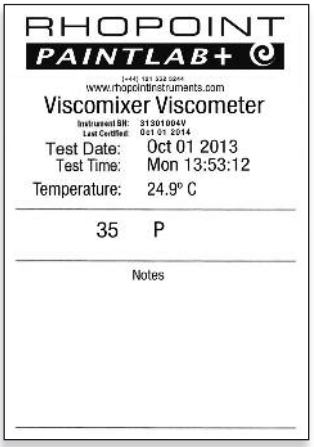


Paint Resistant Design

Lab-tough glass allows easy removal and cleaning of unintentional splashes and smears from the capacitive sense buttons and screen. The solvent resistant anodised aluminium instrument chassis ensures the instrument can be cleaned and restored to pristine condition even in the toughest working environments.

Data transfer

Measurement data including time, date and test temperature can be printed to a Rhopoint label printer (supplied as an optional accessory). Printed labels can be attached to each sample for easy identification and recording of results.



Flexible range configuration

The Viscomixer can be configured for any of the three ranges by purchasing an additional paddle for the range required along with a calibration oil kit. Full details of paddles available along with their respective calibration kits are detailed at the back of the brochure.

Calibration

Annual calibration can be performed remotely by the user using the Rhopoint certified recalibration kit. Step by step instructions and automatic verification ensure accurate, traceable results.

APPLICATIONS



Paints and coatings



Inks

RHOPOINT
PAINTLAB+

INSTRUMENT SPECIFICATION

RANGE	0.1 - 15 P 0.1 - 65 P 1.0 - 340 P *
RESOLUTION	0.1 P (1.0 P*)
ACCURACY	+/- 2%
REPEATABILITY	+/- 1%
SPEED	562 rpm +/- 0.1%
CONTAINER SIZES	250ml
OPERATING TEMPERATURE	15° C to 35° C
POWER	90-240V AC - 50/60 Hz
WEIGHT	7.25 kg
SIZE	(H) 460 x (W) 320 x (D) 190 mm
PACKED WEIGHT	10 kg
COMMODITY CODE	9027 8017

INCLUDED ACCESSORIES

- Temperature verification probe
- Traceable calibration certificate

ORDERING CODES

Viscometer	Order code
0-15 P	RL-A30-VISCOMIXER/0-15P
0-65 P	RL-A30-VISCOMIXER/0-65P
0-340 P	RL-A30-VISCOMIXER/1-340P

Additional Paddle	Order code
0-15 P	RL-B30-ROTOR/0-15P
0-65 P	RL-B30-ROTOR/0-0-65P
0-340 P	RL-B30-ROTOR/1-340P

Oil Kits	Order code
0-15 P	RL-B30-OILKIT/0-15P
0-65 P	RL-B30-OILKIT/0-0-65P
0-340 P	RL-B30-OILKIT/1-340P

OPTIONAL ACCESSORIES

- Results printer
- USB data cable

Certified recalibration kit containing:

- 3 x traceable viscosity oils
- USB calibration key
- Recalibraton certificate

BCF Associate
BRITISH COATINGS FEDERATION

Certificate no: FM 29741
ISO 9001:2008

PAINT RESEARCH ASSOCIATION MEMBER

LOCAL AGENT

novasys
novasys group pty ltd
po box 1150 mountain gate 3156
tel: +61 3 9752 3766 fax: +61 3 9752 3977
website: www.novasys.com.au e-mail: info@novasys.com.au

00339/10/14

RHOPOINT INSTRUMENTS

Rhopoint Instruments Limited • Rhopoint House
Enviro 21 Business Park • Queensway South • St Leonards-on-Sea
East Sussex • TN38 9AG • UK • Tel: +44 (0) 1424 739622
sales@rhopointinstruments.com • www.rhopointinstruments.com