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## CONE & PLATE VISCOMETER

**RHOPOINT**  
**PAINTLAB+ ©**

- High accuracy measurement
- Fully automated
- Dual speed operation
- Ultra precise temperature control



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 effect 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 Rhopoint *PAINTLAB+* Cone & Plate Viscometer provides high accuracy viscosity measurement of non-newtonian paints and coatings. This viscometer is specifically designed to provide stringent testing conditions to allow the measurement of these materials as the viscosity changes according to the shear stress that is applied.

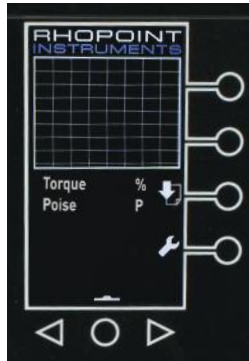


**EASY CLEAN  
DESIGN**

## FEATURES

### Precise Measurement

High stability motor speed control ensures accuracy and repeatability during each test. Real-time high resolution graphing allows monitoring of changes during measurement providing identification of inconsistencies between samples. Measurement results displayed instantly on screen after test in P, cP, Pa.s or mPa.s.



### Advanced Temperature Monitoring

The viscometer utilises an integrated high stability temperature controlled plate onto which the samples are applied to test. A preheat function allows rapid stabilisation of sample temperature which is accurately controlled throughout the measurement process.



### Dual Speed Operation

The instrument is configured to allow testing using shear rates according to two standardised test methods - ASTM ( $750 \text{ rpm} - 12,000 \text{ s}^{-1}$ ) and BS ( $900 \text{ rpm} - 10,000 \text{ s}^{-1}$ ). Precision speed control ensures that shear rates applied are highly repeatable and test results are reliable. The combination of two test speeds and selection of viscosity ranges allow the testing of products to a wide range of international test methods.

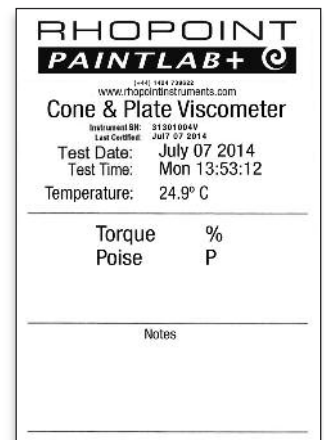


### Easy Clean Design

Lab-tough easy clean 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 that 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.



## APPLICATIONS



Paints and coatings



Inks



Adhesives



Pastes

## INSTRUMENT SPECIFICATION

<b>STANDARDS</b>	BS 3900;A7, ASTM D 4287, ISO 2884
<b>RESOLUTION</b>	±0.1°C
<b>REPEATABILITY</b>	±0.2%
<b>ACCURACY</b>	+/-0.2°C
<b>VISCOSITY RANGE</b>	0 – 100P in 5 ranges: 0 - 5P, 0 – 10P, 0 - 20P, 5 - 50P, 10 – 100P
<b>DUAL SPEED</b>	750rpm – 10,000 s <sup>-1</sup> , 900rpm – 12,000 s <sup>-1</sup>
<b>OPERATING TEMPERATURE</b>	5°C to 70°C
<b>POWER</b>	110V/230V
<b>WEIGHT</b>	7.25 kg
<b>SIZE</b>	(H) 460 x (W) 320 x (D) 190 mm
<b>PACKED WEIGHT</b>	10 kg
<b>PACKED DIMENSIONS</b>	(H) 680 x (W) 460 x (D) 380 mm
<b>COMMODITY CODE</b>	9027 8017

## INCLUDED ACCESSORIES

- Traceable calibration certificate

## CONE KIT

Please note the Cone & Plate Viscometer is not supplied with a cone as standard. Please order one of the following cone kits according to required range.

Description	Order code
0 - 5 poise Cone Kit	RL-B-CONEKIT/0-5
0 - 10 poise Cone Kit	RL-B-CONEKIT/0-10
0 - 20 poise Cone Kit	RL-B-CONEKIT/0-20
5 - 50 poise Cone Kit	RL-B-CONEKIT/5-50
10 - 100 poise Cone Kit	RL-B-CONEKIT/10-100

## OPTIONAL ACCESSORIES

- Results printer
- USB data cable
- Certified calibration oils
- Certified recalibration kit
  - 5 x traceable viscosity oils
  - USB calibration key
  - Recalibration certificate

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5 - 50 poise Cone Kit	RL-B-CONEKIT/5-50
10 - 100 poise Cone Kit	RL-B-CONEKIT/10-100



LOCAL AGENT

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