CONE & PLATE VISCOMETER

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

www.rhopointinstruments.com
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.
**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.

**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

STANDARDS
BS 3900;A7, ASTM D 4287, ISO 2884

RESOLUTION
±0.1°C

REPEATABILITY
±0.2%

ACCURACY
+/−0.2°C

VISCOITY RANGE
0 – 100P in 5 ranges:
0 - 5P, 0 – 10P, 0 - 20P, 5 - 50P, 10 – 100P

DUAL SPEED
750rpm – 10,000 s⁻¹,
900rpm – 12,000 s⁻¹

OPERATING TEMPERATURE
5°C to 70°C

POWER
110V/230V

WEIGHT
7.25 kg

SIZE
(H) 460 x (W) 320 x (D) 190 mm

PACKED WEIGHT
10 kg

PACKED DIMENSIONS
(H) 680 x (W) 460 x (D) 380 mm

COMMODY CODE
9027 8017

OPTIONAL ACCESSORIES

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

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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Order code</th>
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<tbody>
<tr>
<td>0 - 5 poise Cone Kit</td>
<td>RL-B-CONEKIT/0-5</td>
</tr>
<tr>
<td>0 - 10 poise Cone Kit</td>
<td>RL-B-CONEKIT/0-10</td>
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<tr>
<td>0 - 20 poise Cone Kit</td>
<td>RL-B-CONEKIT/0-20</td>
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<tr>
<td>5 - 50 poise Cone Kit</td>
<td>RL-B-CONEKIT/5-50</td>
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<tr>
<td>10 - 100 poise Cone Kit</td>
<td>RL-B-CONEKIT/10-100</td>
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</tbody>
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