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

**VISCOSITY 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

**COMMODITY 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>
</tr>
</thead>
<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>
</tr>
<tr>
<td>0 - 20 poise Cone Kit</td>
<td>RL-B-CONEKIT/0-20</td>
</tr>
<tr>
<td>5 - 50 poise Cone Kit</td>
<td>RL-B-CONEKIT/5-50</td>
</tr>
<tr>
<td>10 - 100 poise Cone Kit</td>
<td>RL-B-CONEKIT/10-100</td>
</tr>
</tbody>
</table>

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

ISO 9001:2008  
Certificate no: FM 29741  
0316/07/14

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