



www.rhopointinstruments.com

KREBS VISCOMETER

RHOPOINT
PAINTLAB+ ©

- Precise measurement
- Fully automated
- Easy clean 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+* Krebs Viscometer from Rhopoint Instruments offers high accuracy viscosity measurement with advanced functionality. Based on the standard ASTM Krebs test method, the viscometer uses a rotating paddle at a fixed speed of 200rpm to directly measure the viscosity in Krebs units (KU), centipoise (cP) or grams (g).



**EASY CLEAN
DESIGN**



FEATURES

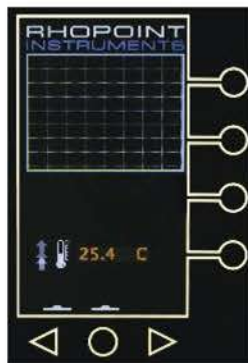
Precise measurement

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 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.



Easy clean 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.

Measurement data can also be transferred directly into Excel using the optional data transfer cable

| RHOPPOINT PAINTLAB+ © | |
|--|---------------|
| <small>www.rhopointinstruments.com</small> | |
| Krebs Viscometer | |
| <small>Instrument No:</small> | 313010049 |
| <small>Test Date:</small> | March 10 2014 |
| <small>Test Time:</small> | Mon 13:53:12 |
| <small>Temperature:</small> | 24.9° C |
| 130.7 | KU |
| 792.5 | g |
| 3766.4 | cp |
| Notes | |

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



Adhesives

INSTRUMENT SPECIFICATION

| | |
|-----------------------|---|
| STANDARDS | ASTM D562, ASTM D856, ASTM D1131 |
| RESOLUTION | 0.1 KU / 1 g |
| ACCURACY | +/- 1% |
| REPRODUCIBILITY | +/- 1% |
| REPEATABILITY | +/- 1% |
| RANGE | 40 to 141 KU 32 to 1,099 g 27 to 5,274 cP |
| SPEED | 200 rpm +/- 0.1 rpm |
| CONTAINER SIZES | 250 ml, 500 ml, 0.5 pint, 1 pint |
| OPERATING TEMPERATURE | 10°C to 40°C |
| POWER | 100V/240V |
| 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) 380mm |
| COMMODITY CODE | 9027 8017 |

INCLUDED ACCESSORIES

- ▀ Krebs paddle
- ▀ Temperature verification probe
- ▀ Traceable calibration certificate
- ▀ Instructional videos

OPTIONAL ACCESSORIES

- ▀ Results printer
- ▀ Data transfer cable
- ▀ Certified calibration oils

| Viscosity Standard Oils | Viscosity Value Krebs Unit (KU) | Viscosity Value Centipoise (cP) |
|-------------------------|------------------------------------|------------------------------------|
| VI-028010 | 61 | 328 |
| VI-028120 | 73 | 696 |
| VI-028230 | 87 | 1040 |
| VI-028340 | 99 | 1582 |
| VI-0284 | 106 | 2000 |

- ▀ Certified recalibration kit
 - ▀ 3 x traceable viscosity oils
 - ▀ USB calibration card
 - ▀ Temperature verification probe



LOCAL AGENT



PT. DAINAN 2 INDONESIA
The City Resort Residences, Rukan Miami Bay B-7
Jl. Kamal Outer Ring Road, Cengkareng, Jakarta Barat 11730
Ph. (021) 56955697, 29032220, 29038709, 29038710
Fax. (021) 29020533
www.dainan2indonesia.com • www.ukurwarna.com

00228/03/14