RHOPOINT
INSTRUMENTS

www.rhopointinstruments.com

KREBS VISCOMETER

RHOPOINT
PAINTLAB+

- Precise measurement
- Fully automated
- Easy clean design
- User certifiable

RHOPOINT

PAINTLAB+

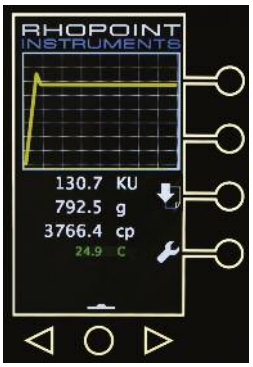
Viscosity measurement of coatings is essential at each stage of the manufacturing process to ensure consistent quality standards.

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).

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

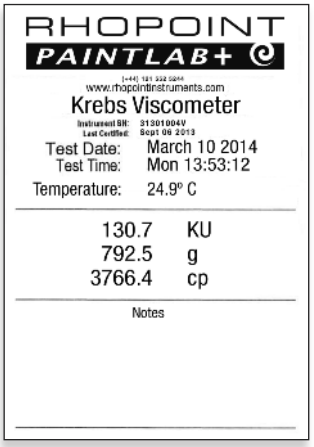
Fully automated operation saves time by accurately lowering the paddle into the sample to the correct height for a number of standard container sizes. Once the test has completed the paddle automatically raises to drain off, saving time during cleaning.

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

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


RHOPOINT
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www.rhopointinstruments.com
Krebs Viscometer
Instrument SN: 31301004V
Last Certified: Sept 06 2013
Test Date: March 10 2014
Test Time: Mon 13:53:12
Temperature: 24.9° C
130.7 KU
792.5 g
3766.4 cp
Notes

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 transfered directly into Excel using the optional data transfer cable

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

RHOPOINT
PAINTLAB+

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

ASTM INTERNATIONAL ORGANIZATIONAL MEMBER

Certificate no: FM 29741
ISO 9001:2008

PRA PAINT RESEARCH ASSOCIATION MEMBER

LOCAL AGENT

00228/03/14

RHOPOINT INSTRUMENTS

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