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## KREBS VISCOMETER

**RHOPOINT**  
**PAINTLAB+ ©**

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



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# 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 ensure 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.



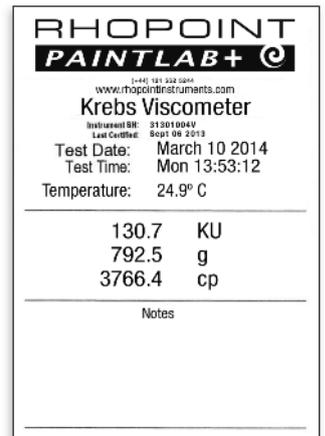
### Easy clean design

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 into Excel using the export to USB memory stick function.



### Calibration

Annual calibration can be performed remotely by the user with the Rhopoint certified recalibration kit. Step by step instructions and automatic verification ensure accurate, traceable results.

## APPLICATIONS



### Paints and coatings



### Inks



### Adhesives

## INSTRUMENT SPECIFICATION

<b>STANDARDS</b>	ASTM D562, ASTM D856, ASTM D1131
<b>RESOLUTION</b>	0.1 KU / 1 g / 10 cP
<b>ACCURACY</b>	+/- 1% of the range of the instrument
<b>REPRODUCIBILITY</b>	+/- 1%
<b>REPEATABILITY</b>	+/- 1%
<b>RANGE</b>	40 to 165 KU 32 to 1,777 g 27 to 8,608 cP
<b>SPEED</b>	200 rpm +/- 0.1 rpm
<b>CONTAINER SIZES</b>	250 ml, 500 ml, 0.5 pint, 1 pint
<b>OPERATING TEMPERATURE</b>	10°C to 40°C
<b>POWER</b>	100V/240V
<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

- Krebs paddle
- Temperature verification probe
- Traceable calibration certificate
- USB memory stick with USB to micro USB adaptor
- Instructional videos

## OPTIONAL ACCESSORIES

- Results printer
- Certified calibration oils



Viscosity Standard Oils	Viscosity Value Krebs Unit (KU)	Viscosity Value Centipoise (cP)
RL-A-VISCOSITYOIL 75	44	75
RL-A-VISCOSITYOIL 500	69	500
RL-A-VISCOSITYOIL 2044	107	2044
RL-A-VISCOSITYOIL 3900	130	3900
RL-A-VISCOSITYOIL/6000	149	6000

- Certified recalibration kit
  - 4 x traceable viscosity oils
  - USB calibration card

## ORDER CODES

Description	Order code
Krebs Viscometer:	RL-A10-KREBS
Re-calibration kit:	RL-B10-KREBS-CALPACK
Printers:	
Results Printer (240V) EU + cable	RL-B-PRINTER240V/EU
Results Printer (240V) UK + cable	RL-B-PRINTER240V/UK
Results Printer (115V) USA + cable	RL-B-PRINTER115V



LOCAL AGENT

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