Myr KREBS VISCOMETER

VK 2000

VISCOMETER VK 2000

The first KREBS viscometer totally automatic. No need to lower any handle!

Instrument based on the traditional KREBS method: a constant unique speed (200 rpm) and a unique rotating spindle. Microprocessor converts automatically measurement that is displayed continuously in the selected unit: KU, g o cP. The VK 2000 allows user to choose between 2 different operational methods, manual and automatic. If the Manual Mode is selected, user can choose any kind of container to perform measurements.

FUNCTIONALITY

In Manual Mode, UP and DOWN keys move spindle to required position. Press START and STOP to begin with measurement and to stop rotation of motor.
Automatic Mode allows to select and modify through keyboard 2 electable parameters: SampleWaitingTime -SWT- (time in which spindle remains immersed in sample before rotation begins) and SampleMeasuringTime -SMT- (rotation time of the spindle immersed in sample). Instrument displays continuously viscosity readings.
To operate in Automatic Mode it is imperative to use a 600ml standard glass beaker (low form), which has to be filled with 450-460 ml of sample. Beaker has to be positioned on the pint adapter.

APPLICATIONS

MYR KREBS viscometer VK 2000 is used to measure viscosity in paints, coatings, inks, adhesives and pastes both in production process and laboratory quality control.

FEATURES

Viscosity reading	KU, g, or cP
Speed	200 rpm
Spindle	standard KREBS-type spindle
Unidirectional interface RS232	Used together with a serial printer delivers a printed ticket meeting requirements of the storage data in quality control.

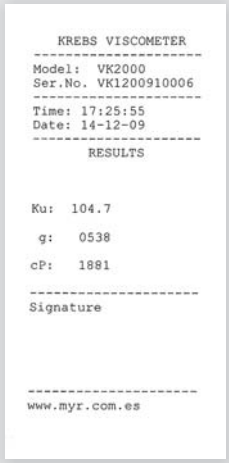
BASE AND LEVEL ADAPTERS

Instrument base, featured with a protective metal sheet easy to clean, allows user to measure viscosity with different kind of containers (Manual Mode). Groove in spindle axel indicates immersion level required for accurate measurements. For the users that usually work with standard ½ pint and pint containers we have also a solution: we have designed 2 level adapters easy to fit, allowing viscosity reading directly from these standard containers.

COMPATIBILITY

Viscosity readings obtained with the VK 2000 KREBS viscometer meet ASTM D562 standard. Results in KREBS (KU) are not based in the Newtonian model. Corresponding g value represents the weight required to move the spindle at 200 rpm through the sample to be analyzed. Corresponding cP are for guidance only and cannot be compared with other cP values obtained with Brookfield type viscometers, such as our series VP 1000 and VR 3000.

KREBS VISCOMETER VK 2000



VISCOSITY RANGE

UNIT	Range	Resolution
KU	40.2 - 141	0.1 KU
g	32 - 1,099	1.0 g
cP	27 - 5,274	5 cP

Accuracy	± 1% of full scale (FSR)
Repeatability	± 0.2 %

TECHNICAL DETAILS

Mains	100-240V/50-60Hz
Operating temperature	+10ºC - +40º
Weight	8.5 kg
Protection classification	IP 20

ACCESSORIES

- Special paste spindle
- Serial printer
- KREBS oils calibration standards

STANDARDS

MYR Viscometer VK 2000, comply with following standards:
ASTM D 562, ASTM D 1131 and ASTM D 856.

SCOPE OF DELIVERY

Basic delivery includes: viscometer, standard KREBS-type spindle, level adapter set (½ pint and 1 pint), assembly tools and standard glass beaker (low form), imperative for automatic mode.

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