

IKA

designed for scientists

EN



MEASURING VISCOSITY | IKA ROTAVISC

Viscometer ROTAVISC

/// With the largest range of functions in its class

The new ROTAVISC series determines the viscosity of liquids in all areas of application ranging from the laboratory to quality control. The four devices measure in different viscosity ranges. Regardless of a simple or demanding viscosity measurement – the ROTAVISC delivers rapid and accurate results. The scope of delivery includes a standard spindle set, a protective bracket, temperature sensor and ROTASTAND stand.



Easy to operate

The generous 4.3" TFT display allows for an intuitive menu guidance. A digital spirit level also supports the correct set-up of the start-up condition. The simple ramp function simplifies repetitive tasks.

Highest measurement accuracy

The level of measurement accuracy of the ROTAVISC rotational viscometer for both Newtonian and non-Newtonian fluids is +/- 1 % of the measuring range. The reproducibility is +/- 0.2 %.

Stepless speed

ROTAVISC is a viscometer, which offers stepless speed adjustment.



[ROTAVISC lo-vi Complete](#)
Ident. No. 0025000310

[ROTAVISC me-vi Complete](#)
Ident. No. 0025000311

[ROTAVISC hi-vi I Complete](#)
Ident. No. 0025000312

[ROTAVISC hi-vi II Complete](#)
Ident. No. 0025000313

Technical data ROTAVISC

TECHNICAL DATA

Viscosity accuracy	1 %
Viscosity repeatability	0.2 %
Display	TFT
Motor rating output	4.8 W
Working temperature	Min.: -30 °C Max.: +300 °C
Speed	0.01 – 200 rpm
Setting accuracy speed	0.01 rpm
Temperature measurement resolution	0.1 K
Connection for ext. temperature sensor	PT 100
Graph function	Yes
Calibration option	Yes
Touch function	Yes
Overload protection	Yes
Operating mode	Timer and continuous operation
Attachment on stand	Extension arm
Interfaces	USB, RS 232, Analog output

GENERAL DATA

Weight	5.6 kg
Dimensions (W × H × D)	500 × 175 × 420 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	50 %
Voltage	100 – 240 V
Frequency	50/60 Hz
Power input	24 W, Standby: 0.06 W
Protection class according to DIN EN 60529	IP 40

DIFFERENT MODELS ROTAVISC

ROTAVISC lo-vi

Viscosity measuring range	1 – 6,000,000 mPas
---------------------------	--------------------

ROTAVISC me-vi

Viscosity measuring range	100 – 40,000,000 mPas
---------------------------	-----------------------

ROTAVISC hi-vi I

Viscosity measuring range	200 – 80,000,000 mPas
---------------------------	-----------------------

ROTAVISC hi-vi II

Viscosity measuring range	800 – 320,000,000 mPas
---------------------------	------------------------

Additional products

If required, the following IKA devices are available for your lab to enhance viscosity measurements with your ROTAVISC:



HRC 2 control
Refrigerated and heating circulator
Ident. No. 0025004524



ICC basic pro 20
Immersion circulator
Ident. No. 0008035200



Starvisc 200-2.5 control
Torque-measuring stirrer
Ident. No. 0025003604

Accessories ROTAVISC

The right accessory for each viscosity measurement: ranging from a vane-spindles-set or a spiral-adapter-set to a low-volume-adapter-set.



SAS-1 Inline-Adapter-Set
Ident. No. 0025000377



Van-1 DIN-Adapter-Set
Ident. No. 0025000407

Find more
accessories on
www.ika.com