IKA

designed for scientists



ROTAVISC hi-vi I Complete

/// Data Sheet

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 (SP7-SP12), 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.

designed for scientists

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.

IKA Rotavisc hi-vi I Complete
Viscosity measuring range: 200 - 80.000.000 mPas

IKA

designed for scientists

Technical Data

Viscosity Measuring Range [mPas]	80000000
Viscosity Accuracy (FSR) [%]	1
Viscosity Repeatibility (FSR) [%]	0.2
Spring torque [mNm]	1.4374
Guard rail	me-vi
Measuring spindle series	SP set-2
Motor rating output [W]	4.8
Overload protection	yes
Direction of rotation	right
Display	TFT
Speed display	TFT
Speed range [rpm]	0.01 - 200
Setting accuracy speed [±rpm]	0.01
Speed control	TFT
Torque display	yes
Torque measurement	yes
Timer	yes
Timer display	TFT
Time setting range [min]	0.017 - 6000
Temperature measurement resolution [K]	0.1
Working temperature display	TFT
Connection for ext. temperature sensor	PT 100
Graph function	yes
Operating mode	timer and continuous operation
Calibration option	yes
Touch function	yes
Pemitted density [kg/dm3]	9999
Working temperature [°C]	-100 - 300
Fastening on stand	extension arm
Support rod diameter (with integrated fastening on stand) [mm]	16
Telescope stand stroke [mm]	200
Plug-in coupling (Ø) [mm]	12
Basic container volume [ml]	600
Stand	Rotastand
Stroke max. [mm]	61
Diameter [mm]	16
Dynamic load [kg]	5
Dimensions (W x H x D) [mm]	351 x 629 x 372
Weight [kg]	7.1
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 40
RS 232 interface	yes
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	24
Power input standby [W]	0.06

DC Voltage [V=]	24
Current consumption [mA]	1000