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ROTAVISC hi-vi II HELI Complete

/// Data Sheet

Regardless of a simple or demanding viscosity measurement - IKA ROTAVISC hi-vi II HELI Complete determines the viscosity of extremely viscous liquids in all areas of application ranging from the laboratory to quality control.

The scope of delivery includes a standard spindle set (SP 7-SP 12), a protective bracket, temperature sensor and HELISTAND stand incl. T-spindle set.

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.

Viscosity measurement in motion
The motorized IKA HELISTAND moves the mounted viscometer and its rotating body slowly and uniformly up and down in the sample

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Viscosity measuring range: 800 - 320.000.000 mPas

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Technical Data

Viscosity Measuring Range [mPas]	320000000
Viscosity Accuracy (FSR) [%]	1
Viscosity Repeatibility (FSR) [%]	0.2
Spring torque [mNm]	5.7496
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 adjustment	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]	142
Plug-in coupling (Ø) [mm]	12
Basic container volume [ml]	600
Stand	HELISTAND
Stroke max. [mm]	61
Diameter [mm]	16
Dynamic load [kg]	3.2
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

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