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ROTAVISC lo-vi HELI Complete

/// Data Sheet

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

The scope of delivery includes a standard spindle set (SP 1-SP 4), 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

IKA ROTAVISC lo-vi HELI Complete
Viscosity measuring range: 15 - 6.000.000 mPas

Scope of delivery
•ROTAVISC lo-vi HELI Complete
•SP set-1
•PT 100.8
•HELISTAND
•T-SP-SET

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Technical Data

Viscosity Measuring Range [mPas]	6000000
Viscosity Accuracy (FSR) [%]	1
Viscosity Repeatibility (FSR) [%]	0.2
Spring torque [mNm]	0.0673
Guard rail	lo-vi
Measuring spindle series	SP set-1
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	Micro-USB
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