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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



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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

Technical Data

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| Viscosity Measuring Range [mPas] | 320000000 |
| Viscosity Accuracy (FSR) [%] | 1 |
| Viscosity Repeatability (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 [\pm 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 |
| Permitted density [kg/dm ³] | 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 |

