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CBC ROTAVISC lo-vi Package

/// Data Sheet

The viscosity of most liquids depends on the temperature. To obtain reliable measurement results, accurate temperature control is crucial. The CBC ROTAVISC lo-vi Package is the perfect solution for precise viscosity measurement of temperature-dependent samples in the laboratory.

The ready-to-connect package combines the ROTAVISC lo-vi rotational viscometer with the CBC VISC lite heating and cooling bath circulator. The sample is measured directly in the heating bath under controlled conditions.

ROTAVISC lo-vi is a high-performance rotational viscometer for applications in a measuring range from 1 - 6,000,000

mPas.

The CBC VISC lite heating and cooling bath circulator was specially developed for use with IKA viscometers. It covers a temperature range from -25 °C to 125 °C and offers space for two standard beakers (600 ml). This allows a second sample to be pre-tempered during the measurement. Equipped with natural refrigerant R290, the CBC VISC lite is a sustainable and environmentally friendly alternative.

YOUR BENEFITS:
- Save time: A second beaker (600 ml) can be pre-tempered during the measurement.
- Perfect results: Optimized water flow management in the insulated bath for fast and precise temperature control.
- Improved ecological footprint: Equipped with the environmentally friendly natural refrigerant R290.
- Flexible application: Thanks to the external pump connection, CBC VISC lite can also be used for heating standard vessels according to DIN for absolute viscosity definition with ELVAS spindles or double-walled beakers.
- Easy to maintain: The easily removable and cleanable air filter guarantees optimum performance.
- Perfect compatibility and automation: ROTAVISC and CBC VISC lite are compatible with the labworldsoft® laboratory software, enabling easy automation, control and documentation of measurement results.

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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]	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]	1.6

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