

VISCOSITY

A. Viscometer

1. Temp. Control Solutions From -25°C to 125°C

a. CBC ROTAVISC lo-vi Package, Cat.No., 0010014045



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. It covers a temperature range from -25 °C to 125 °C and offers space for two standard beakers (600 ml).

Scope of delivery

- ROTAVISC lo-vi control S000
- ROTASTAND
- CBC VISC lite
- SP set-1
- PT 100.8

Technical Data

- Viscosity Measuring Range : 6000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 0.0673 mNm
- Guard rail : lo-vi
- Measuring spindle series : SP set-1
- Motor rating output : 4.8 W
- Overload protection : yes
- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT
- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³
- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling (Ø) : 12 mm
- Basic container volume : 600 ml
- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 1.6 W
- DC Voltage : 24 V=
- Current consumption : 1000 mA

b. CBC ROTAVISC me-vi Package, Cat.No., 0010014058



ROTAVISC me-vi is a high-performance rotational viscometer for applications in a measuring range from 100 - 40,000,000 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).

Scope of delivery

- ROTAVISC me-vi control S000
- ROTASTAND
- CBC VISC lite
- SP set-2
- PT 100.8

Technical Data

- Viscosity Measuring Range : 40000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 0.7187 mNm
- Guard rail : me-vi
- Measuring spindle series : SP set-2
- Motor rating output : 4.8 W
- Overload protection : yes
- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT
- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³
- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling ($\varnothing$) : 12 mm
- Basic container volume : 600 ml
- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : USB-B
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 1.6 W

- DC Voltage : 24 V=
- Current consumption : 1000 mA

2. Viscometer Package

a. ROTAVISC lo-vi Complete, Cat.No., 0010013826



The ROTAVISC series determines the viscosity of liquids in all areas of application ranging from the laboratory to quality control. Viscosity measuring range: 1 - 6,000,000 mPas.

Scope Delivery

- ROTAVISC lo-vi control S000
- ROTASTAND
- SP set-1
- PT 100.8
- Guard rail

Technical Data

- Viscosity Measuring Range : 6000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 0.0673 mNm
- Guard rail : lo-vi
- Measuring spindle series : SP set-1
- Motor rating output : 4.8 W
- Overload protection : yes
- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT
- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³

- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling (Ø) : 12 mm
- Basic container volume : 600 ml
- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 0.06 W
- DC Voltage : 24 V=
- Current consumption : 1000 mA

b. ROTAVISC me-vi Complete, Cat.No., 0010013827



Viscosity measuring range: 100 - 40.000.000 mPas.

Scope Delivery

- ROTAVISC me-vi control S000
- ROTASTAND
- SP set-2
- PT 100.8
- Guard rail

Technical Data

- Viscosity Measuring Range : 40000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 0.7187 mNm
- Guard rail : me-vi
- Measuring spindle series : SP set-2
- Motor rating output : 4.8 W
- Overload protection : yes

- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT
- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³
- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling ($\varnothing$) : 12 mm
- Basic container volume : 600 ml
- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 0.06 W
- DC Voltage : 24 V=
- Current consumption : 1000 mA

c. ROTAVISC hi-vi I Complete, Cat.No., 0010013828



Viscosity measuring range: 200 - 80.000.000 mPas

Scope Delivery

- ROTAVISC hi-vi I control S000
- ROTASTAND
- SP set-2
- PT 100.8
- Guard rail

Technical Data

- Viscosity Measuring Range : 80000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 1.4374 mNm
- Guard rail : me-vi
- Measuring spindle series : SP set-2
- Motor rating output : 4.8 W
- Overload protection : yes
- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT
- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³
- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling ($\varnothing$) : 12 mm
- Basic container volume : 600 ml

- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 0.06 W
- DC Voltage : 24 V=
- Current consumption : 1000 mA

d. ROTAVISC hi-vi II Complete, Cat.No., 0010013829



Viscosity measuring range: 800 - 320.000.000 mPas

Scope Delivery

- ROTAVISC hi-vi II control S000
- ROTASTAND
- SP set-2
- PT 100.8
- Guard rail

Technical Data

- Viscosity Measuring Range : 320000000 mPas
- Viscosity Accuracy (FSR) : 1 %
- Viscosity Repeatability (FSR) : 0.2 %
- Spring torque : 5.7496 mNm
- Guard rail : me-vi
- Measuring spindle series : SP set-2
- Motor rating output : 4.8 W
- Overload protection : yes
- Direction of rotation : right
- Display : TFT
- Speed display : TFT
- Speed range : 0.01 - 200 rpm
- Setting accuracy speed : ± 0.01 rpm
- Speed adjustment : TFT

- Torque display : yes
- Torque measurement : yes
- Timer : yes
- Timer display : TFT
- Time setting range : 0.017 - 6000 min
- Temperature measurement resolution : 0.1 K
- 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 : 9999 kg/dm³
- Working temperature : -100 - 300 °C
- Fastening on stand : extension arm
- Support rod diameter (with integrated fastening on stand) : 16 mm
- Telescope stand stroke : 200 mm
- Plug-in coupling (Ø) : 12 mm
- Basic container volume : 600 ml
- Stand : Rotastand
- Stroke max. : 61 mm
- Diameter : 16 mm
- Dynamic load : 5 kg
- Dimensions (W x H x D) : 351 x 629 x 372 mm
- Weight : 7.1 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 40
- RS 232 interface : yes
- USB interface : Micro-USB
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 24 W
- Power input standby : 0.06 W
- DC Voltage : 24 V=
- Current consumption : 1000 mA