

IKA

designed for scientists

EN



STIR AND MEASURE | IKA STARVISC 200-2.5 control

STARVISC 200-2.5 control

/// The only device that can do everything at the same time

Measure viscosity and display it, even during product development: the new IKA STARVISC 200-2.5 control torque-measuring stirrer makes it possible. The result can be read in real-time on the display. STARVISC therefore has a broad range of applications. This is particularly helpful during product development: STARVISC already clearly indicates while running research programmes as to whether the stirred substance can be used as desired.



High-precision measurement

STARVISC measures in a highly precise way and does this even during the manufacturing process. Samples no longer have to be taken separately.

Viscosity calculation

A viscosity calculation can be carried out immediately via a user-friendly menu.

Removable control unit

The modern TFT display is removable. This means that STARVISC can also be controlled from a safe distance.

Powerful stirrer

Even highly viscous substances can be intensively stirred using the powerful STARVISC stirrer. Quantities of up to 100 litres can be processed.

STARVISC 200-2.5 control
Ident. No. 0025003604

Technical data STARVISC 200-2.5 control

TECHNICAL DATA

Stirring quantity max. per stirring position	100 l (H ₂ O)
Motor rating input	130 W
Motor rating output	84 W
Motor principle	Brushless DC
Speed display	TFT
Intermittent operation	Yes
Viscosity max.	100,000 mPas
Output max. at stirring shaft	84 W
Permissible ON time	100 %
Stirring element fastening	Chuck
Connection for ext. temperature sensor	PT 1000
Plug-in coupling	10 mm (Ø)
Chuck range diameter	0.5 – 10 mm
Timer	Yes/TFT
Time setting	min. 1 min max. 6,000 min

TORQUE

Measurement range	250 Ncm
Torque I max.	200 Ncm
Torque II max.	40 Ncm
Torque display	Yes
Deviation of torque measurement I + II	± 2,5 Ncm
Deviation of torque measurement I + II	± 1 %

TEMPERATURE

Temperature measuring range	- 10 °C min. + 350 °C max.
Temperature measurement resolution	0.1 K
Accuracy of temperature measurement	± 0.5 K + tolerance PT 1000 (DIN IEC 751 Class A)
Limit deviation temperature sensor	≤ ± (0.15 K + 0.002x T)
Temperature display	Yes

SPEED

Speed range I: Speed (at 50/60 Hz)	6 – 400 rpm
Speed range II: Speed (at 50/60 Hz)	30 – 2,000 rpm
Speed control	Stepless
Setting accuracy speed	± 1 rpm
Deviation of speed measurement n > 300 rpm	± 1 %
Deviation of speed measurement n < 300 rpm	± 3 rpm

GENERAL DATA

Weight	5.9 kg
Communication distance (depends on building) max.	150 m
Dimensions (W × H × D)	91 × 395 × 231 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Voltage	230 V
Power input	130 W
Protection class according to DIN EN 60529	IP 40
Housing material	Alu-cast coating/ thermoplastic polymer



Additional products

If required, the following IKA devices are available for your lab to enhance product development with STARVISC:



LR 1000 control
Laboratory Reactor
Ident. No. 0010001035



ROTAVISC lo-vi Complete
Viscometer
Ident. No. 0025000310



CBC 5 control
Refrigerated and heating circulator
Ident. No. 0004167000

Accessories STARVISC 200-2.5 control



R 1330 Anchor stirrer

Tangential flow, high shearing rate at edges, minimum deposits on the vessel wall. Used at low speeds. Polymer reactions, even distribution of high mineral contents in liquids. The ideal stirrer for medium to highly viscous fluids.

Ident. No. 0002022300



R 1345 Propeller stirrer, 4-bladed

Standard stirring element. For drawing the material to be mixed from the top to the bottom. Local shearing forces. Generates axial flow in the vessel. Used at medium to high speeds.

Ident. No. 0000741300



R 2723 Telescopic stand

Particularly stable stand with H-shape base which prevents the stand from tipping backwards. Additionally equipped with a pneumatic spring stand rod, which enables heavy instruments/attachments to be raised and lowered smoothly without difficulty. Height: 620 - 1010 mm.

Ident. No. 0001412100

Find more
accessories on
www.imlab.eu