IKA

designed for scientists



EUROSTAR 200 digital

/// Data Sheet

Extremely powerful laboratory stirrer for highly viscous applications and intensive mixing for quantities up to 100 l (H2O). It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/6 – 2000 rpm (two speed ranges). Safety circuits installed ensures automatic cut-off in an anti-stall or overload conditions. Continuous comparison of shaft speed to desired speed is maintained and variations are adjusted automatically. This guarantees a constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed

- Push-through agitator shafts
- Overload protection
- Short-term overload operation
- Slim casing
- Quiet operation
- Error code display

Scope of delivery
•EUROSTAR 200 digital
•Chuck key

IKA

designed for scientists

Technical Data

Stirring quantity max. per stirring position (H2O) [l]	100
Motor rating input [W]	130
Motor rating output [W]	84
Motor principle	Brushless DC
Speed display	7 segment LED
Speed range [rpm]	0/6 - 2000
Viscosity max. [mPas]	100000
Output max. at stirring shaft [W]	84
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	200
Torque I max. [Ncm]	200
Torque II max. [Ncm]	40
Speed range I (50 Hz) [rpm]	6 - 400
Speed range II (50 Hz) [rpm]	30 - 2000
Speed range I (60 Hz) [rpm]	6 - 400
Speed range II (60 Hz) [rpm]	30 - 2000
Speed adjustment	stepless
Setting accuracy speed [rpm]	±1
Deviation of speed measurement n > 300rpm [%]	±1
Deviation of speed measurement n < 300rpm [rpm]	±3
Stirring element fastening	chuck
Plug-in coupling (Ø) [mm]	10
Chuck range diameter [mm]	0.5 - 10
Hollow shaft, inner diameter [mm]	10.3
Hollow shaft (push-through - when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Speed control	electronic
Nominal torque [Nm]	2
Housing material	alu-cast coating / thermoplastic polymer
Dimensions (W x H x D) [mm]	91 x 274 x 209
Weight [kg]	4.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 42
Voltage [V]	230
Frequency [Hz]	50/60
Power input [W]	130