

# IKA

designed for scientists



## EUROSTAR 100 digital

/// Data Sheet

Powerful laboratory stirrer for highly viscous applications and intensive mixing for quantities up to 100 l (H<sub>2</sub>O). It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/30 – 1300 rpm. 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

[www.ika.com](http://www.ika.com)

Subject to technical changes





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

## Technical Data

Stirring quantity max. per stirring position (H2O) [l]	100
Motor rating input [W]	186
Motor rating output [W]	136
Motor principle	Brushless DC
Speed display	7 segment LED
Speed range [rpm]	0/30 - 1300
Viscosity max. [mPas]	70000
Output max. at stirring shaft [W]	136
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	100
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
Chuck range diameter [mm]	0.5 - 10
Hollow shaft, inner diameter [mm]	11
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]	1
Housing material	alu-cast coating / thermoplastic polymer
Dimensions (W x H x D) [mm]	86 x 248 x 208
Weight [kg]	3.9
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]	186