



designed for scientists



## EUROSTAR 400 digital

/// Data Sheet

Powerful laboratory stirrer for high viscous applications and intensive mixing for quantities up to 150 l (H<sub>2</sub>O). It automatically adjusts the speed within the range of 0/6 – 2000 rpm (two speed ranges) through microprocessor controlled technology. Integrated safety circuits ensure automatic cut-off in an anti-stall or overload conditions. Continuous comparison of shaft to desired speed is performed and variations are adjusted automatically. This ensures constant speed even with changes in viscosities of the sample.

- Digital speed display
- Infinitely adjustable speed



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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]	150
Motor rating input [W]	220
Motor rating output [W]	176
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]	167
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	400
Torque I max. [Ncm]	400
Torque II max. [Ncm]	80
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 gt; 300rpm [%]	±1
Deviation of speed measurement n lt; 300rpm [rpm]	±3
Stirring element fastening	chuck
Chuck range diameter [mm]	3 - 16
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]	160
Speed control	electronic
Nominal torque [Nm]	4
Dimensions (W x H x D) [mm]	114 x 325 x 245
Weight [kg]	8.4
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 42
Voltage [V]	115
Frequency [Hz]	50/60
Power input [W]	226