



designed for scientists



## EUROSTAR 20 high speed digital

/// Data Sheet

High speed laboratory stirrer designed for intensive stirring tasks for quantities up to 20 l (H<sub>2</sub>O). It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/150 - 6000 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. The included precision shaft is 280 mm long and has a maximum immersion depth of 220 mm.

- Digital speed display

- Infinitely adjustable speed
- Cone seat for precision shaft
- Overload protection
- Short-term overload operation
- Slim casing
- Quiet operation
- Error code display

## Technical Data

Stirring quantity max. per stirring position (H2O) [l]	20
Motor rating input [W]	176
Motor rating output [W]	125
Motor principle	Brushless DC
Speed display	7 segment LED
Speed range [rpm]	0/150 - 6000
Viscosity max. [mPas]	10000
Output max. at stirring shaft [W]	125
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	20
Speed control	stepless
Setting accuracy speed [ $\pm$ rpm]	1
Deviation of speed measurement $n > 300$ rpm [ $\pm$ %]	1
Deviation of speed measurement $n < 300$ rpm [ $\pm$ rpm]	3
Stirring element fastening	special output shaft
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Speed control	electronic
Nominal torque [Nm]	0.2
housing material	alu-cast coating / thermoplastic polymer
Dimensions (W x H x D) [mm]	86 x 325 x 208
Weight [kg]	5.3
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 42
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	176