



designed for scientists



EUROSTAR 100 digital

/// Data Sheet

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 0/30 – 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



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



Technical Data

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| 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 |