



designed for scientists



## EUROSTAR 20 digital

/// Data Sheet

Laboratory stirrer designed for simple stirring tasks for quantities up to 15 l (H<sub>2</sub>O). It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/30 - 2000 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



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## Technical Data

|                                                                     |                                          |
|---------------------------------------------------------------------|------------------------------------------|
| Stirring quantity max. per stirring position (H <sub>2</sub> O) [l] | 15                                       |
| Motor rating input [W]                                              | 70                                       |
| Motor rating output [W]                                             | 42                                       |
| Motor principle                                                     | Brushless DC                             |
| Speed display                                                       | LED                                      |
| Speed range [rpm]                                                   | 0/30 - 2000                              |
| Viscosity max. [mPas]                                               | 10000                                    |
| Output max. at stirring shaft [W]                                   | 42                                       |
| Permissible ON time [%]                                             | 100                                      |
| Torque max. at stirring shaft [Ncm]                                 | 20                                       |
| Speed control                                                       | 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]                                                 | 0.2                                      |
| Housing material                                                    | alu-cast coating / thermoplastic polymer |
| Dimensions (W x H x D) [mm]                                         | 86 x 248 x 208                           |
| Weight [kg]                                                         | 4.4                                      |
| 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]                                                     | 70                                       |



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