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EUROSTAR 100 control P4

/// Data Sheet

The extremely powerful laboratory stirrer EUROSTAR 100 control P4 with a removable wireless controller and a digital TFT display is especially suitable for highly viscous applications and provides a torque of up to 320 Ncm. It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/10 - 300 rpm. The stirrer comes equipped with a RS 232 and a USB interface to control and document all parameters. Furthermore, an integrated torque trend display is provided for the measurement of viscosity changes and its electronic safety circuit 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.

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- Reverse function
- Multilingual TFT display
- Programmable functions
- Integrated temperature measurement
- Interval operation
- Timer function
- Adjustable safety circuit
- Locked function
- Infinitely adjustable speed
- Push-through agitator shafts
- Overload protection
- Short-term overload operation
- Quiet operation
- Error code Display
- H 67.60 temperature sensor and WH 11 WiCo holder included in delivery

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Technical Data

Stirring quantity max. per stirring position (H2O) [l]	100
Motor rating input [W]	174
Motor rating output [W]	142
Motor principle	Brushless DC
Speed display	TFT
Speed range [rpm]	10 - 300
Reversible direction of rotation	yes
Intermittent operation	yes
Viscosity max. [mPas]	100000
Output max. at stirring shaft [W]	100
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	320
Speed control	stepless
Setting accuracy speed [±rpm]	1
Deviation of speed measurement n < 300rpm [±rpm]	3
Stirring element fastening	chuck
Connection for ext. temperature sensor	PT1000
Temperature display	yes
Chuck range diameter [mm]	0.5 - 10
Fastening on stand	extension arm
Extension arm diameter [mm]	16
Extension arm length [mm]	220
Torque display	yes
Nominal torque [Nm]	3.20
Torque measurement	trend
Deviation of torque measurement I [±Ncm]	30
Timer	yes
Timer display	TFT
Time setting range [min]	1 - 6000
Temperature measuring range [°C]	-10 - +350
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	±0.5 + tolerance PT1000 (DIN IEC 751 Class A)
Limit deviation temperature sensor [K]	≤ ± (0.15 + 0.002xITI)
Housing material	alu-cast coating / thermoplastic polymer
Communication distance (depend onbuilding) max. [m]	150
Dimensions (W x H x D) [mm]	86 x 352 x 230
Weight [kg]	5.2
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 40
RS 232 interface	yes
USB interface	yes
Voltage [V]	230 / 115 / 100
Frequency [Hz]	50/60
Power input [W]	150

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.