EUROSTAR 200 control P4
/// Data Sheet

Extremely powerful laboratory stirrer for highly viscous applications for quantities up to 100 l (H2O). It is designed with a removable wireless controller and a digital TFT display. It automatically adjusts the speed through microprocessor controlled technology within the speed range of 0/4 - 530 rpm (two speed ranges). The stirrer comes equipped with a RS 232 and a USB interface to control and document all parameters. An integrated torque trend display is provided for the measurement of viscosity changes. 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.

IKA

designed for scientists

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

IKA

designed for scientists

Technical Data

Stirring quantity max. per stirring position (H2O) [l]	100
Motor rating input [W]	134
Motor rating output [W]	76
Motor principle	Brushless DC
Speed display	TFT
Speed range [rpm]	0/4 - 530
Intermittent operation	yes
Viscosity max. [mPas]	150000
Output max. at stirring shaft [W]	76
Permissible ON time [%]	100
Torque max. at stirring shaft [Ncm]	660
Torque I max. [Ncm]	660
Torque II max. [Ncm]	130
Speed range I (50 Hz) [rpm]	4 - 108
Speed range II (50 Hz) [rpm]	16 - 530
Speed range I (60 Hz) [rpm]	4 - 108
Speed range II (60 Hz) [rpm]	16 - 530
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
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
Speed control	electronic
Nominal torque [Nm]	6.6
Torque measurement	trend
Deviation of torque measurement I [±Ncm]	60
Deviation of torque measurement II [±Ncm]	10
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]	91 x 379 x 231
Weight [kg]	5.8
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 / 100 - 115 / 100
Frequency [Hz]	50/60
Power input [W]	134

WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

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.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

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