



designed for scientists

Technical Data

Stirring quantity max. per stirring position (H2O) [l]	15
Motor rating input [W]	60
Motor rating output [W]	46
Motor principle	Brushless DC
Speed display	LCD
Speed range [rpm]	0/50 - 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	Turning knob
Setting accuracy speed [\pm rpm]	1
Deviation of speed measurement $n > 300$ rpm [\pm %]	3
Stirring element fastening	chuck
Connection for ext. temperature sensor	PT1000
Temperature display	yes
Chuck range diameter [mm]	0.5 - 8.2
Hollow shaft, inner diameter [mm]	8.5
Hollow shaft (push-through - when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter [mm]	13
Extension arm length [mm]	160
Torque display	yes
Speed control	electronic
Nominal torque [Nm]	0.2
Torque measurement	trend
Deviation of torque measurement I [\pm Ncm]	3
Timer	yes
Timer display	LCD
Time setting range [min]	0 - 6000
Temperature measuring range [°C]	-10 - 350
Temperature measurement resolution [K]	0.1
Accuracy of temperature measurement [K]	$\pm 0.5 + \text{tolerance PT1000 (DIN EN 60751 Class A)}$
Limit deviation temperature sensor [K]	$\leq \pm (0.15 + 0.002 \times T)$
Housing material	alu-cast coating / thermoplastic polymer
Communication distance (depend on building) max. [m]	150
Dimensions (W x H x D) [mm]	70 x 193 x 154
Weight [kg]	1.56
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 54
USB interface	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	69
DC Voltage [V=]	24
Current consumption [mA]	2900