



IKA EUROSTAR 200 CONTROL OVERHEAD STIRRER, 100LT CAPACITY, MAX SPEED 2000RPM, 3992001

Stirring quantity max. (H ₂ O)	100 l
Motor rating input	130 W
Motor rating output	84 W
Motor principle	Brushless DC
Speed display	TFT
Speed range	0/6 - 2000 rpm
Reversible direction of rotation	no
Intermittent operation	yes
Viscosity max.	100000 mPas
Output max. at stirring shaft	84 W
Permissible ON time	100 %
Torque max. at stirring shaft	200 Ncm
torque I max.	200 Ncm
torque II max.	40 Ncm
Speed range I (50 Hz)	6 - 400 rpm
Speed range II (50 Hz)	30 - 2000 rpm
Speed range I (60 Hz)	6 - 400 rpm
Speed range II (60 Hz)	30 - 2000 rpm
Speed control	stepless
Setting accuracy speed	1 $i\frac{3}{4}$ rpm
deviation of speed measurement n >300rpm	3 $i\frac{3}{4}$ rpm
deviation of speed measurement n <300rpm	1 $i\frac{3}{4}$ %
Stirring element fastening	chuck
Connection for ext. temperature sensor	PT1000
Temperature display	yes
Plug-in coupling ("a)	10 mm
Chuck range min. diameter	0.5 mm
Chuck range max. diameter	10 mm
Hollow shaft, inner diameter	10.3 mm
Hollow shaft (push-through ϕ when stopped)	yes
Fastening on stand	extension arm
Extension arm diameter	16 mm
Extension arm length	220 mm
Torque display	yes
Nominal torque	2 Nm
Torque measurement	trend
deviation of torque measurement I	20 $i\frac{3}{4}$ Ncm
deviation of speed measurement II	6 $i\frac{3}{4}$ Ncm
Timer	yes
Timer display	TFT
Time setting range	1 - 6000 min
Temperature measuring range min.	-10 $i\text{EC}$
Temperature measuring range max.	+350 $i\text{EC}$
Temperature measurement resolution	0.1 K
Accuracy of temperature measurement	$i\frac{3}{4}$ 0.5 + tolerance PT1000 (DIN IEC 751 Class A) K
Limit deviation temperature sensor	$i\text{A}$ $i\frac{3}{4}$ (0.15 + 0.002xITI) K
housing material	alu-cast coating/thermoplastic polymer
clean room qualified	no
explosion proofed	no
communication distance (depend onbuilding) max.	150 m
Dimensions (W x H x D)	91 x 297 x 231 mm
Weight	4.9 kg
Permissible ambient temperature	5 - 40 $i\text{EC}$
Permissible relative humidity	80 %
Protection class according to DIN EN 60529	IP 40
RS 232 interface	yes
USB interface	yes
Analog output	no
Voltage	230 / 100 - 115 / 100 V
Frequency	50/60 Hz
Power input	130 W