Hei-TORQUE Precision 400



High-end model

The professional stirrer for demanding tasks: several options for individual settings as ramps and interval operation. USB and RS 232 interfaces allow for documentation and reproducibility, e.g. with the free Hei-Control software (for up to four devices)

These stirrers are ideal for demanding tasks which have to be reproducible and documentable. The huge number of additional features and operation modes allow for perfect adjustment to your individual application

Accurate torque indication shows any viscosity changes Constant speed even under changing loads

Digital 3.2" display for ease of operation:

· Allows for preprogrammed profiles



Premium Laboratory Equipment

- Saves these profiles in memory
- Interval operation
- · Watch rpm and torque graph life
- Timer / Countdown / Real time settings

All performance-related parameters can be set individually:

- Intensity of the start operation from slow to fast
- The rotational speed can be limited to avoid splashing media
- The torque limit prevents damage to the impeller, e.g. when using fragile impellers in high viscous media

Newest motor generation provides maximum power at minimum noise level Safe start and stop of operation via slide touch panel to avoid unintended stirring

Including free Hei-Control software for dependable automation of all processes. Control up to four devices simultaneously. Also compatible with magnetic stirrers MR Hei-Connect and MR Hei-End of the Hei-PLATE series



Hei-TORQUE Precision 400 - Technical Data

Power rating motor output 90 W Number of speed gears 2 Rotation speed indicator digital color 3.2" Speed control electronic Max. torque 400 Ncm Torque indicator precise value Overheat protection automatic cut-out Motor protection temperature control software Viscosity max. 250,000 mPa s Stirring cap. (H2O), max. 100 l Analog / digital interface USB and RS 232 Admissible Session continuous operation Counter/ Timer 1 Shaft diameter, max. 10.5 mm Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change - Thought-shaft design 1	Power rating motor input	150 W
Rotation speed indicator Speed control Max. torque 400 Ncm Torque indicator Overheat protection Motor protection Motor protection Motor protection Counter/ Timer Shaft diameter, max. Permissible ambient conditions Torque indicator Discosity max. 10.5 mm Permissible ambient conditions Torque indicator Discosity max. Discosity max.	Power rating motor output	90 W
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Max. torque 400 Ncm Torque indicator precise value Overheat protection automatic cut-out Motor protection temperature control software Viscosity max. 250,000 mPa s Stirring cap. (H20), max. 100 I Analog / digital interface USB and RS 232 Admissible Session continuous operation Counter/ Timer 1 Shaft diameter, max. 10.5 mm Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change -	Rotation speed indicator	<u> </u>
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Viscosity max. Stirring cap. (H2O), max. Analog / digital interface USB and RS 232 Admissible Session Counter/ Timer 1 Shaft diameter, max. Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change	Overheat protection	automatic cut-out
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Analog / digital interface USB and RS 232 Admissible Session Counter/ Timer 1 Shaft diameter, max. Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) Dimensions (w/d/h) Rotation direction change -	Viscosity max.	250,000 mPa s
Admissible Session continuous operation Counter/ Timer 1 Shaft diameter, max. 10.5 mm Permissible ambient conditions 5 – 31 °C at 80 % rel. humidity 32 – 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change -	Stirring cap. (H2O), max.	100 l
Counter/ Timer Shaft diameter, max. 10.5 mm Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change -	Analog / digital interface	USB and RS 232
Shaft diameter, max. Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change -	Admissible Session	continuous operation
Permissible ambient conditions 5 - 31 °C at 80 % rel. humidity 32 - 40 °C decreasing linearly up to max. 50 % rel. humidity Weight 5.3 kg Protection class DIN EN 60529 IP 54 Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change	Counter/ Timer	1
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Rotation speed range 10 - 400 rpm 20 - 2,000 rpm Stay bar size (dia. x l) 13 x 160 mm Dimensions (w/d/h) 93 x 247 x 350 mm Rotation direction change -	Weight	5.3 kg
Stay bar size (dia. x l) Dimensions (w/d/h) Rotation direction change 13 x 160 mm 93 x 247 x 350 mm -	Protection class DIN EN 60529	IP 54
Dimensions (w/d/h) Rotation direction change -	Rotation speed range	10 - 400 rpm 20 - 2,000 rpm
Rotation direction change -	Stay bar size (dia. x l)	13 x 160 mm
	Dimensions (w/d/h)	93 x 247 x 350 mm
Thought-shaft design 1	Rotation direction change	-
	Thought-shaft design	1

