

Hei-TORQUE Ultimate 400

P/N: 501-64020-00



The devices of the Hei-TORQUE Ultimate line are Heidolph high performance overhead stirrers.

The Hei-TORQUE Ultimate 400 laboratory stirrer is ideal for the powerful stirring of viscosities up to 250,000 mPas or volumes up to 100 liters (H₂O). Thanks to its 2-gear stage design, it stirs particularly powerfully in the speed range up to 400 rpm and is therefore particularly suitable for applications with highly viscous media that require mixing in the lower speed range. However, operation at speeds of up to 2,000 rpm is also possible in the second speed.

In addition, the Hei-TORQUE Ultimate 400 offers, above all, the possibility of ramp programming, process monitoring (including timer function, torque trend display as a value), as well as the necessary equipment for documenting your application parameters. For this it is equipped with two interfaces - USB and RS232 - which give you the greatest flexibility to connect the device to a PC, a programmable logic controller (PLC) or an automation system such as e.g. LabManager. The scope of delivery includes the free Hei-Control software for remote control of up to 4 devices via PC.

The laboratory stirrer Hei-TORQUE Ultimate 400 performs every stirring task with minimal noise thanks to the latest engine technology. The safety-related start/stop touch-function serves to

minimize the risk of unintentional switching on.

Suitable for use in fume hoods or as a drive for reactor superstructures, the Hei-TORQUE Ultimate 400 has a quick-action chuck (quick chuck with safety ring) with a diameter of 10.5 mm, which can be combined with a large number of stirring tools for the best stirring results.

Hei-TORQUE Ultimate 400 - Technical Data

Power rating motor input	1000 W
Power rating motor output	100 W
Number of speed gears	2
Rotation speed indicator	digital color 3.2"
Speed control	electronic
Max. torque	1000 Ncm
Torque indicator	precise value
Overheat protection	automatic cut-out
Motor protection	temperature control software
Viscosity max.	1000000 mPa s
Stirring cap. (H2O), max.	100 l
Analog / digital interface	USB and RS 232
Admissible Session	continuous operation
Counter/ Timer	yes
Shaft diameter, max.	100 mm
Permissible ambient conditions	5 – 31 °C at 80 % rel. humidity 32 – 40 °C decreasing linearly up to max. 50 % rel. humidity
Weight	100 kg
Protection class IEC 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	-
Through-shaft design	yes