

# Hei-TORQUE series

2017



## Hei-TORQUE series

The robust and reliable overhead stirrers of the Hei-TORQUE series are designed for maximum longevity and highest safety. Our powerful motors guarantee the

best mixing results and a shorter process duration, and their highest safety features mean that they can be used for unattended continuous operation.

The maintenance-free motors as well as the sealed housing reduce maintenance and repair costs, over its 10-year average lifespan.

By investing in Heidolph products you have chosen premium laboratory equipment, backed by a 3-year warranty.

# Value

Ideal for every basic operation, with a clear display and the easiest handling



# Precision

For all applications with highest safety requirements that need to be reproduced and documented



2.4" digital display:

- Setpoint and actual rotational speed
- Torque tendency

Control knob for precise speed settings

Safe start and stop of operation via slide touch panel to avoid accidental start-up

#### Power classes

<b>100 Ncm</b>	10 – 2,000 rpm
<b>200 Ncm</b>	10 – 2,000 rpm
<b>400 Ncm</b>	Step I: 10 – 400 rpm Step II: 20 – 2,000 rpm

#### Safe and reliable

- Protection class IP 54
- Sealed interface and housing
- Non-sparking motors
- Overtemperature protection

### Is safety and simplicity important to you?

If you demand a simple interface, the strongest power, and maximum robustness from an overhead stirrer, the **Hei-TORQUE Value** is the overhead stirrer for you.

The **Hei-TORQUE Value** is equal in every aspect to the **Hei-TORQUE Precision** in terms of mixing performance. Simple to use, this basic model from the **Heidolph** range of overhead stirrers is a popular choice for many standard applications.



## Clear overview and robust Hei-TORQUE Value

**With a clear display and the easiest handling, it is ideal for every standard application**

**Are you looking for a reliable stirrer that is extremely easy to use?**

The **Hei-TORQUE Value** overhead stirrer is clearly easy to handle. The simple interface combined with high performance is its hallmark. Every mixing process can be simply adjusted. Whether low or high viscosity, it manages any media with ease. Choose the right stirrer for your application from a wide range of powers, right up to the 400 Ncm model, which features a two-stage gearbox for several torque ranges.

Choose your power range:

**100 Ncm** => aqueous to low viscous

**200 Ncm** => low viscous to viscous

**400 Ncm** => highly viscous with **two-stage gearbox**

The powerful motors ensure excellent mixing results, even in very viscous media. The rotational speed remains constant even if there are large fluctuations in viscosity. In case of permanent overloading, the overtemperature protection intervenes and switches off the motor - for your safety.



Individual and precise

# Hei-TORQUE Precision

**Ideal for every application with highest safety requirements where reproducible and documentable results are needed**

**Are you looking for an individually adjustable stirrer for reproducible results?**

The **Hei-TORQUE Precision** is the function-rich counterpart to the **Value** model. It has added powerful options with precise settings and additional features. These include saving processes for reproducibility.

**Do you work with low-viscosity fluids and require highest safety standards?**

Adapt the start operation to your needs: The stirrer starts gently to prevent fluids splashing. You define a maximum rotational speed that must not be exceeded. This prevents the beaker from overflowing.

**Do you work with high-viscosity media and glass impellers?**

Protect your glass impellers from breakage with an individual torque limit. Adapt the starting characteristics to the viscosity.



**Do you want to save processes with intervals and ramps while documenting precisely what occurred?**

With the **Hei-TORQUE Precision**, you can program profiles with or without ramps, save them on your device as favorites and use them in the interval operation. Monitor the process flow using graphs. Detect every change in viscosity with the precise torque display. Calibrate the torque for precise documentation. Calibration involves adjusting the output value to the ambient conditions.

**Do you need reproducible documentation?**

Via RS 232 and USB interfaces you can control every **Hei-TORQUE Precision** directly from your PC with the new **Hei-Control** software. A USB cable plus the software are included in the scope of delivery.

## Free software: Hei-Control

- Control up to four devices with the new Hei-Control software
- Program processes and ramps
- Read out every process and safe settings for documentation
- Load saved settings again for reproducible results



3.2" digital display for individual setting of parameters

- Ramp functions
- Save favorite setting
- Interval operation
- Graphical representation of process flow
- Torque display
- Timer / countdown / clock
- Start intensity
- Speed limit
- Torque limit
- Torque calibration

Control knob for precise speed settings

Safe start and stop of operation via slide touch panel to avoid accidental start-up

### Power classes

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### Safe and reliable

- Protection class IP 54
- Sealed interface and housing
- Non-sparking motors
- Overtemperature protection

RS 232 and USB interfaces



# The Quick-Chuck



## No more chuck keys

With the new Quick-Chuck, you can change impellers in a matter of seconds with one hand. No unpleasant searching for a chuck key and no risk of the impeller sliding down. With the Quick-Chuck, you have everything under control and do not need any extra tools.

## It is that simple:



Fast and easy impeller change with only one hand - without any tools.

