

## Hei-PLATE Mix 'n' Heat Ultimate (135 mm)

Order code: **2111.5064210000**



Information about product price on demand

Parameters

Device type

Magnetic stirrers

Types of stirrers	Magnetic
Description	5 °C–31 °C at up to 80% rel. humidity, 32 °C–40 °C at up to 50% rel. humidity (linearly reducing)
Speed [rpm]	100 – 1,400 rpm, setting accuracy 1 rpm
Plate diameter [mm]	135
Heating capacity [W]	800
Heating	YES
Maximum speed	1400 rpm
Number of positions	1
Quantitative unit	ks

### **Diverse connection option for an automated stirring and heating process**

Our Hei-PLATE Mix 'n' Heat Ultimate is equipped with numerous interfaces for automated laboratory processes. The RS232 and USB B ports allow a control via our integrated Hei-PROCESS solution. You can actually integrate your device in our Hei-CONTROL Pro software via the LAN interface. As of the middle of 2024, the LAN interface will additionally support the communication protocol OPC UA. The USB A interface at the front allows data logging via a USB stick. For more comfort and safety, you can connect the magnetic stirrer with the electric Heidolph lab jack via the USB C interface.

There are three heating modes for temperature control: FAST for a quick heating, as well as PRECISE and PRECISE+ for the exact control of your target temperature without overshoot - this is how sensitive samples are optimally protected. Therefore, the device is compatible with the temperature sensor Pt1000 and the double sensor Pt1000 that allows the simultaneous measurement in your sample and in the bath liquid. The possibility to program ramps and to create individual profiles, increases the precision and reproducibility of your experiments.

For the stirring speed, there is a three-stage setting (start-up behavior). For mixing your sample optimally, you can set the rotational direction of the magnetic stirring bar and benefit from the automatic stir bar detector.

This magnetic stirrer offers all relevant safety features. The large safety distance between the heating plate and the control panel as well as the visual residual heat indicator at temperatures > 50 °C protect against burns.

The patented Kera-Disk® plate made of anodized aluminum, is chemical-resistant, scratch-proof, and has a diameter of 135 mm. This unique size makes it suitable for the use with many accessories and samples on a small footprint. The material used also enables the fastest heating times.