

## Technical specifications

<b>General device data</b>		
<b>Hei-PLATE Mix'n'Heat</b>	<b>Expert</b>	<b>Ultimate</b>
Dimensions (W × H × D)	168 × 101 × 299 mm	
Usable surface heating plate	∅ 135 / 145 mm	∅ 145 mm
Weight	approx. 3 kg	
Maximum permissible load	25 kg	
Drive	EC motor, counterclockwise/clockwise rotating	
Speed range	100 – 1,400 rpm, setting accuracy 1 rpm	
Heating power	800 W at 230 V (EU) 600 W at 115 V (US)	
Heating temperature range	20 – 350 °C, setting accuracy 1 K	
Heating control	PID	
Temperature measurement accuracy	Operation with external temperature measuring sensor Pt1000: ±0.2 K, plus tolerance Pt1000	
Temperature measurement resolution	0.1 K	
Display	2× TFT display	
Protection class (EN 60529)	IP42	
Acoustic pressure	< 50 db(A)	
<b>Electrical data</b>		
Rated voltage	230 V, 50/60 Hz (EU) 115 V, 50/60 Hz (US)	
Connection	L+N+PE	
Protection class	I	
Overvoltage category	II	
Degree of pollution	2	
Power input	Normal operation 230 V: 825 W (EU) / 115 V: 625 W (US) Standby mode: 1.7 W	
EMC class	B, Group 1	
<b>Permissible ambient conditions</b>		
Operating temperature	5 °C–31 °C at up to 80% rel. humidity, 32 °C–40 °C at up to 50% rel. humidity (linearly reducing)	
Installation altitude	up to 2,000 m asl	

**Lab jack**

Load capacity	max. 10 kg
Protection class (EN 60529)	Mechanical parts IPO2, electronic components IP42
Power supply	Via magnetic stirrer/USB C cable
Weight	6 kg

**List of the factory settings**

Parameters	Factory setting	Adjustment range
Heating mode	FAST	<ul style="list-style-type: none"> <li>▪ FAST</li> <li>▪ PRECISE</li> <li>▪ PRECISE+</li> </ul>
Temperature [unit]	°C	<ul style="list-style-type: none"> <li>▪ °C</li> <li>▪ °F</li> </ul>
Soft start	Medium	<ul style="list-style-type: none"> <li>▪ Slow</li> <li>▪ Medium</li> <li>▪ Fast</li> </ul>
[Magnetic field] stir bar detector	Off	<ul style="list-style-type: none"> <li>▪ On</li> <li>▪ Off</li> </ul>
[Rotating field] direction	Counterclockwise	<ul style="list-style-type: none"> <li>▪ Counterclockwise</li> <li>▪ Clockwise</li> </ul>
Interval operation	Off	<ul style="list-style-type: none"> <li>▪ On</li> <li>▪ Off</li> </ul>
Language [menu navigation]	English	<ul style="list-style-type: none"> <li>▪ English</li> <li>▪ German</li> </ul>
Sound [button sounds]	On	<ul style="list-style-type: none"> <li>▪ On</li> <li>▪ Off</li> </ul>
Interface mode	Safe	<ul style="list-style-type: none"> <li>▪ Safe</li> <li>▪ Expert</li> </ul>
Auto standby	Off	<ul style="list-style-type: none"> <li>▪ On</li> <li>▪ Off</li> </ul>
[Safety temperature] safety delta T	25 °C	<ul style="list-style-type: none"> <li>▪ 10 °C –25 °C</li> </ul>
Sensor monitoring	On	<ul style="list-style-type: none"> <li>▪ On</li> <li>▪ Off</li> </ul>
Restart [after interruption of the power supply]	A: Heating Rotation off	<ul style="list-style-type: none"> <li>▪ A: Heating Rotation off</li> <li>▪ B: Rotation on</li> <li>▪ C: Heating Rotation on</li> </ul>
T limit [maximum heating plate temperature]	375 °C	<ul style="list-style-type: none"> <li>▪ 50 °C –375 °C</li> </ul>