

# Complete Hotplate Stirrer Kit

Super-safe features

NEW improved design

NEW from Asynt, our complete hotplate stirrer kit has a robust, 600 W, maintenance-free motor, sealed tempered glass exterior, and comes complete with all the basics you'll require in order to begin heating and stirring, including PT1000 sensor.

With a wide range of safety features including independent adjustable temperature circuit, features to prevent adjustment of temperature outside of the set range, and extended 2+1 year warranty, the Asynt complete hotplate stirrer kit is ideal for use with our sustainable DrySyn heating blocks, lab pressure reactors, and much more.



- Independent adjustable temperature safety circuit
- Exact temperature and speed setting via digital display, even when switched off
- Hot Top indicator - hot surface warning to prevent burns
- Capable of sensing temperatures from 0 °C to 310 °C, or -20 °C to 310 °C with external sensor
- RS232 and USB ports
- Enclosed maintenance-free motor assembly guarantees long service life
- Heat control accuracy with PT1000 probe:  $\pm 1$  °C

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- 1 Magnetic hotplate stirrer
- 2 Clamp
- 3 Boss head
- 4 PT 1000
- 5 Support rod

|  |   |
|--|---|
| Number of stirring positions   | 1   |
| Stirring quantity max. per stirring position (H <sub>2</sub> O)  | 20 l                                      |
| Motor rating output  | 9 W                                       |
| Direction of rotation  | right                                     |
| Speed display set-value  | LED                                       |
| Speed display actual-value   | LED                                       |
| Speed adjustment   | Turning knob                              |
| Speed range  | 50 - 1500 rpm                             |
| Setting accuracy speed   | 10 rpm                                    |
| Stirring bar length  | 20 - 80 mm                                |
| Self-heating of the set-up plate by max. stirring (RT:22°C/duration:1h)  | +17 K                                     |
| Heat output  | 600 W                                     |
| Temperature display set-value  | LED                                       |
| Temperature display actual-value   | LED                                       |
| Temperature unit   | °C  |
| Heating temperature range  | Room temp. + device self heating - 310 °C |
| Heat control   | Turning knob                              |
| Temperature setting range  | 0 - 310 °C                                |
| Temperature setting resolution of heating plate  | 1 K                                       |
| Connection for ext. temperature sensor   | PT1000, ETS-D5, ETS-D6                    |
| Heating rate medium  | 6.5 K/min                                 |
| Temperature setting resolution of medium   | 1 K                                       |
| Adjustable safety circuit  | 50 - 360 °C                               |
| Set-up plate material  | Aluminium alloy                           |
| Set-up plate dimensions  | Ø 135 mm                                  |
| Sensor in medium detection (Error 5)   | yes                                       |
| Temperature measure range PT1000   | -20 - 310 °C                              |
| Speed deviation (no load, nominal voltage, at 1500rpm + 25 °C)   | ±2 %                                      |
| Heating rate (1l H <sub>2</sub> O in H1500)  | 6.5 K/min                                 |
| Heat control accuracy of heating plate (at 100°C)  | ±5 K                                      |
| Heat control accuracy with ext. PT1000 (500ml H <sub>2</sub> O in 600ml beaker, 40mm stirring bar, 600rpm, 50°C) | ±1 K                                      |



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