

Stirrer hotplates, digital, CD162 & SD162

- Digital setting and control of both temperature and speed
- Supplied complete with temperature probe for accurate control of liquid temperature
- Advanced safety features:
 - Flashing "Hot" warning light
 - Independent safety circuit to protect against overheating
- Choice of robust aluminium or chemically resistant ceramic tops

Sophisticated stirrer hotplates offering digital control of both temperature and stirring speed. Comes complete with a detachable PTFE coated probe which when immersed in a liquid sample can very accurately control its temperature to within $\pm 0.5^{\circ}\text{C}$ even over a very long period of time.

As the hotplate heats the sample to the set temperature, the advanced microprocessor automatically measures the rate of temperature rise to judge the capacity and nature of samples (e.g. oil or aqueous). It then optimises the heating rate to minimise overshoot and time to set point. An audible alert sounds when the set temperature has been reached.

Both set and actual temperature of the sample are displayed simultaneously on a bright, easy to read vacuum fluorescent display.

For maximum security, an independent safety circuit automatically sets to 20°C above the set temperature and shuts off the heater if the temperature exceeds this. Therefore, the hotplate is safe to leave on continuously, even unsupervised e.g. overnight. Internal electronic components are protected against corrosion with a special coating.

Stirring action gives much better temperature uniformity within samples because the liquid is mixed effectively. Powerful magnets and motor give stirring speeds up to 1300 rpm and volumes up to 15 litres*.

Stirring speed is set and displayed digitally so that exactly the same speed can be used each time for reproducibility.

If the probe is unplugged, the temperature of the top plate can be set on the display. This can be useful for applications where accurate surface temperature is important such as warming microscope slides and microarrays and specialist electronics.

There are two models to choose from:

Model CD162 has a glass ceramic top plate, which is chemically resistant and gives very fast heat up times.

Model SD162 has an aluminium / silicon alloy top plate which gives a very even plate temperature and quick response to changing set temperature.

With fitting for retort rod and supplied complete with PTFE coated probe and 2 x 25mm PTFE coated stirrer bars



CD162



SD162

stirrer hotplates



Technical Specification

Model	CD162	SD162
Plate material	Glass ceramic	Aluminium/silicon alloy
Plate dimensions, mm	160 x 160	160 x 160
Heated area, mm	120 x 120	160 x 160
Heater power, W	500	700
Display resolution °C	1	1
Max. plate temp. °C	450	300
Max. liquid temp, with probe °C	200	200
Control accuracy with probe °C	±0.5°C	±0.5°C
Stirrer speed, rpm	200 - 1300	200 - 1300
Max. stirring capacity, litres *	15	15
Net weight, kg	3.4	3.4
Overall dimensions (w x d x h), mm	190 x 300 x 110	190 x 300 x 110
Electrical supply	230V, 50/60Hz, 550W	230V, 50/60Hz, 750W

Ordering Information

Model	Description
CD162	Digital stirrer/hotplate, ceramic plate, 500W
SD162	Digital stirrer/hotplate, aluminium plate, 700W

Accessories

CD162/1	Temperature probe, stainless steel
SR1	Retort rod, 600 x 12mm

* Based on water contained in a 20 litre flat bottom boiling flask.





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 600030

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.