



# LABORATORY SECTOR

## HOTPLATES AND HOTPLATE STIRRERS



**Kalstein**®

A different accompaniment, at your service





# Kalstein®

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OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



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In any part of the world, receive your induction or training from our specialized team of engineers



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Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



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Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



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We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



**KALSTEIN® Hotplates and Hotplate Stirrers**  
**Constant Temperature Digital Magnetic Stirrer With Hot Plate**  
**Model YR02942**



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# KALSTEIN® Hotplates and Hotplate Stirrers

## Constant Temperature Digital Magnetic Stirrer With Hot Plate

### Model YR02942



#### Product Description:

Magnetic stirrers are often used in chemistry and biology. They are preferred over gear-driven motorized stirrers because they are quieter, more efficient, and have no moving external parts to break or wear out (other than the simple bar magnet itself). Because of its small size, a stirring bar is more easily cleaned and sterilized than other stirring devices. They do not require lubricants which could contaminate the reaction vessel and the product. They can be used inside hermetically closed vessels or systems, without the need for complicated rotary seals. Magnetic stirrers may also include a hot plate or some other means for heating the liquid.

#### Product Features:

- ✓ Very compact and simple to operate
- ✓ Digital Display temperature and speed, Heating temperature: Rt-380 Degree and mixing speed :100-1800 RPM
- ✓ Heat and corrosion resistant aluminum alloy housing for durability
- ✓ Ceramic coated aluminum heating plate for great heat distribution and corrosion resistance
- ✓ Specially designed housing prevents spill from damaging the electronic components inside
- ✓ Secondary heat insulation plate prevents heat loss and eliminates heat damage to electronic components
- ✓ Adjustable temperature and rotation speed



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## Constant Temperature Digital Magnetic Stirrer With Hot Plate

### Model YR02942



#### Technical Description:

<b>Model</b>	YR02942
<b>Top Plate Dimension (mm)</b>	180 x 180 (7.09 x 7.09inch)
<b>Temperature Control</b>	PID Auto control .
<b>Temperature Range for machine</b>	Ambient to 400 degree.
<b>Max Temperature for top plate</b>	325 degree
<b>Top Material</b>	White ceramics and Black ceramics are both available .
<b>Temperature Display [°C ]</b>	Digital Display
<b>Temperature control</b>	PID Auto control
<b>Temperature accuracy</b>	
<b>Thermocouple probe /sensor type</b>	PT100 , with inner and outer thermocouple .
<b>Stir Speed</b>	100- 1800 RPM
<b>Stir Display</b>	Digital display
<b>Stir speed accuracy</b>	
<b>Permissible Ambient Temperature</b>	Ambient Temperature to 40°C
<b>Voltage</b>	160 – 240V , or 110- 130V.
<b>Heating Power supply (w)</b>	550
<b>Motor Power supply</b>	40 W.DC 20
<b>Machine power supply</b>	600
<b>Stirring Flask Capacity (ml)</b>	50ML-5L
<b>Overall Dimensions (mm) ( L × W × H )</b>	391 x 245 x 120
<b>Packing Dimension (mm)</b>	440 x 290 x 170
<b>Shipping Weight (kg)</b>	5.1
<b>Shell material</b>	Time molding waterproof and dustproof shell with Anti-static paint



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**Kalstein Blog**  
Not just be informed, be fully informed

**The 3 articles of the week!**

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**1**  
Read this ARTICLE NOW

**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through the use of lenses or a system of mirrors that collect and focus light from the object being observed.

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
Read this ARTICLE NOW

**What is the importance of the laboratory refrigerator?**

Refrigerator is a device that is one of the most essential equipment that is used to maintain, in a controlled environment (refrigerated space), various fluids and substances.

**Kalstein Blog**

**Article of the week:**  
What is the importance of the laboratory refrigerator?

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