

Company Information

WARRANTY

The Fristaden Lab Overhead Stirrer has a 1 Year Manufacturer's Warranty. Please contact Fristaden Lab's customer service at support@fristadenllc.com for more information.

ABOUT US

Fristaden Lab is a lab and scientific equipment retailer established in 2013 in Chicago, Illinois.

We sell an array of popular products, including analytical balances, centrifuges, glassware, hematology counters, hot plates, magnetic stirrers, pH meters, pipettes and pressure pumps.

We stand behind all of our products, offering a 1-2 year warranty, 30-day returns, and a responsive customer service team committed to solving any questions or issues you may have.

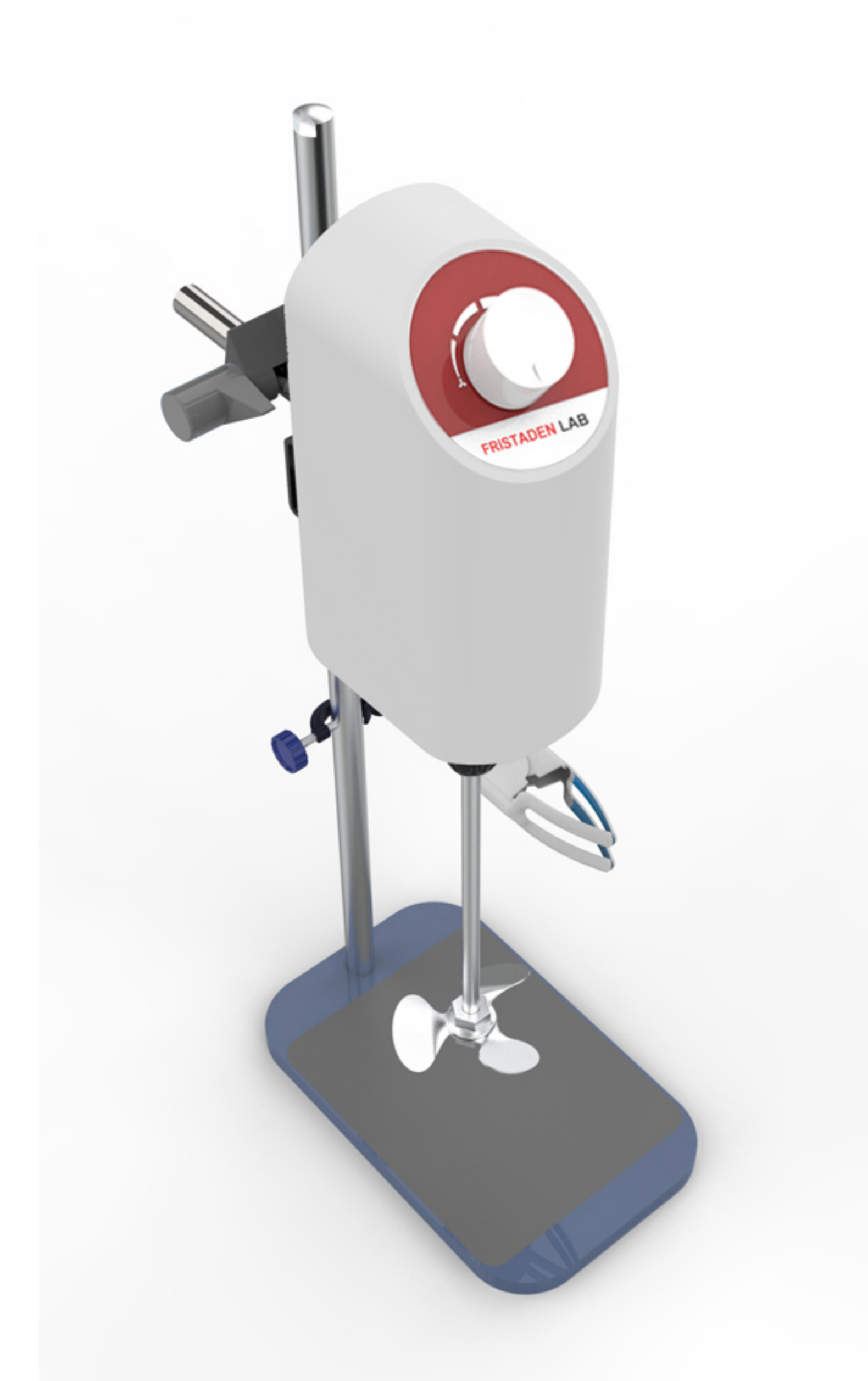
CONTACT

FristadenLab.com
support@fristadenllc.com

Overhead Stirrer

User Manual

Model: OC-10L
10L Capacity
Analog Display
100 -2000 RPM



Made in China

FRISTADEN LAB

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Operation

INSTALLATION (CONTINUED)

- Adjust the motor head so that the stirring rod is an appropriate height for stirring the solution.
- *If needed, connect the smaller cross clamp to the support rods.*
- *Connect the flask clamp to the cross clamp.*
- Plug in the machine head

USING THE MACHINE

- Place on a flat, stable surface.
- Turn the dial on the motor head clockwise to turn the machine on and increase the speed.
- The light will flicker faster or slower corresponding to the speed of the stirrer.
- Turn the dial all the way counterclockwise to turn off the machine when finished.

Maintenance

MAINTENANCE AND STORAGE

- Always turn off and unplug before cleaning or storing.
- Do not clean the machine with elements that may corrode the machine.
- Do not immerse the machine in water or other liquids.
- Use proper safety gear (e.g. gloves, eyewear, etc.) when cleaning the machine to avoid injury.

Operation

PACKING LIST

- Machine Head
- Base Plate
- 2x Support Pole
- German cross clamp
- Cross clamp
- Flask Clamp
- Three-blade stirring rod
- Power adapter
- Power cable
- 12-14 open end wrench

INSTALLATION

CHECK FOR DAMAGE - Open the package and ensure no parts were damaged during delivery. Make sure all parts shown in the packing list are included.

- Place the base plate on a flat, stable working platform.
- Connect the two 30cm support rods.
- Screw the connected rods into the base (using the 14" wrench if needed).
- Tightly fasten the German Cross Clamp to the support rods.
- Tightly fasten the rod on the motor head to the German cross clamp.
- Attach the stirring rod to the motor head (continued).

Summary

IMPORTANT!

Thank you for purchasing the Fristaden Lab Analog Overhead Stirrer. Please read the User Manual carefully before use and follow all operating and safety instructions!

SPECIFICATIONS

Model	OC-10L
Capacity [L]	10
Motor input power [W]	72
Motor output power [W]	60
Voltage [V]	100-240
Frequency [Hz]	50/60
Power [W]	80
Speed (RPM)	100 -2000
Speed Increment (RPM)	20
Maximum Torque [N.cm]	40
Overload Protection	Automatic stop
Maximum Viscosity [mPas]	10000
Clamping diameter range of drill chuck [mm]	0.5-10
Dimensions [mm]	450*350*160
Weight [kg]	8.5
DIN EN60529 Protection Mode	IP42
Ambient temperature [°C]	5-40
Ambient humidity [%]	80

Safety

WARNING!

- DANGER: The overhead stirrer operates at high speeds. Do not touch any moving parts while in use.
- Ensure everyone operating the machine reads the user manual and understands the operating instructions, cautions and dangers associated with the machine. Only trained staff should operate the machine.

IMPORTANT!!

- Only use the machine in a safe environment away from hazards.
- Operate the machine in a safe, dry and well ventilated environment. The environment temperature should not exceed 5-40°C.
- Check the machine and accessories prior to each use for damage. Do not use the machine if damaged. Contact the manufacturer.
- Before plugging the machine into an electrical outlet, make sure the voltage and frequency match that of the machine.
- Place the machine on a flat and spacious work surface.
- Always power off and unplug the machine when not in use. Store it in a safe place away from hazards.
- Keep the machine away from children, pets and other potential hazards.
- Place the machine on a flat and spacious work surface.
- Do not cover the machine (continued).

Safety

IMPORTANT!! (CONTINUED)

- Do not use a cracked or broken liquid container. Do not overfill the liquid container.
- DAMAGE: Do not use the machine if the machine or any parts are broken. Contact the manufacturer and do not attempt to repair it yourself.
- DAMAGE: Do not replace power cables, plugs or other parts unless they are directly from the manufacturer.

Display and Controls

DISPLAY



CONTROLS

(KNOB)

Control Speed (0-3000 RPM)

(RUNNING LIGHT)

The blinking speed of the light is directly proportional to the stirring speed.