

Auto-reverse Magnetic Stirrers

with Tachometer



- Stainless steel cover

When stirring a solution, to work with a constant speed is an important factor in ensuring that the best repeatability in tests and processes is achieved. Without a tachometer, there is no way of knowing the RPMs.

HI304N is a heavy-duty stirrer with a built-in tachometer. It is often desirable to stir in two directions in order to achieve maximum homogeneity. An advanced circuit allows HI304N to reverse the direction of the stir at a user-selected interval. The interval can be adjusted from 30 seconds up to 3 minutes. In addition to precision speed control, a limiter will also assure that the maximum speed will never be exceeded (Speedsafe™). Often, a sample is removed from the stirrer before the user reduces the speed. This can cause the motor to accelerate until it is destroyed. Hanna stirrers incorporate a VCO device that will stop the motor from accelerating as soon as the load is removed.

Specifications	HI304N
Maximum Stirring Capacity	2.5 liters (0.66 gallons)
Low Speed Range	100 rpm
High Speed Range	800 to 1000 rpm
Tachometer	four-digit LCD
Reverse Interval	from 30 seconds to 3 minutes
Power Supply	110/115 VAC or 220/240 VAC, 50/60 Hz
Installation Category	II
Cover Material	AISI 316 stainless steel
Environment	0 to 50°C (32 to 122°F); RH max 95%
Dimensions / Weight	180 x 180 x 70 mm (7.1 x 7.1 x 2.8") / 1.4 kg (3.1 lbs.)
Ordering Information	HI304N-1 (115V) and HI304N-2 (230V) is supplied with magnetic stir bar and instructions
Accessories	HI731320 Magnetic stir bar (10)

Timer Controlled Magnetic Stirrers



- Stainless steel cover

HI324N is a heavy-duty stirrer that incorporates a timer control that will turn the motor off after a selected amount of time. The time is adjustable from 5 minutes to 2 hours. This feature allows the user to carry out other tasks without worrying about over or under stirring. HI324N can stir up to 5.0 liters (1.3 gallons), making it ideal for laboratory and production use.

This stirrer allows regulated speed control. A limiter will assure the maximum speed is never exceeded (Speedsafe™).

HI324N has an automatic feedback feature and incorporates an LCD tachometer. The motor is electronically-controlled to maintain the chosen speed as the load changes. If the viscosity or the level increases or decreases, the circuitry will adjust the output power. The HI324N's RPM display guarantees repeatability in QC tests and research by constantly displaying the RPMs.

Specifications	HI324N
Maximum Stirring Capacity	5 liters (1.3 gallons)
Low Speed Range	100 rpm
High Speed Range	800 to 1000 rpm
Auto-Feedback	standard
Timer Range	from 5 minutes to 2 hours
Tachometer	four-digit LCD
Power Supply	110/115 VAC or 220/240 VAC, 50/60 Hz
Installation Category	II
Cover Material	AISI 316 stainless steel
Environment	0 to 50°C (32 to 122°F); RH max 95%
Dimensions	180 x 180 x 70 mm (7.1 x 7.1 x 2.8")
Weight	1.4 kg (3.1 lb.)
Ordering Information	HI324N-1 (115V) and HI324N-2 (230V) are supplied with magnetic stir bar and instructions
Accessories	HI731320 Magnetic stir bar (10)