

HI 304N

Auto-reverse Magnetic Stirrers with Tachometer



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.

HI 304N 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 HI 304N 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 uses reduces the speed with ordinary stirrers. 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	HI 304N
Maximum Stirring Capacity	2.5 liters (0.66 gallons)
Speed Range	Low 100 rpm High 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

HI 304N-1 (115V) and HI 304N-2 (230V) is supplied with magnetic stir bar and instructions

ACCESSORIES

HI 731320 Magnetic stir bar (10)

HI 322N • HI 324N

Timer Controlled Magnetic Stirrers



HI 322N and HI 324N are heavy duty stirrers that incorporate 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. HI 322N and HI 324N can stir up to 5.0 liters (1.3 gallons), making them ideal for laboratory and production use.

These stirrers allow regulated speed control. A limiter will assure the maximum speed is never exceeded (Speedsafe™), and a VCO device stops motor acceleration as soon as a load is removed.

HI 322N and HI 324N have an automatic feedback feature with the HI 324N also incorporating 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 HI 324N's RPM display guarantees repeatability in QC tests and research by constantly displaying the RPMs.

SPECIFICATIONS	HI 322N	HI 324N
Maximum Stirring Capacity	5 liters (1.3 gallons)	
Speed Range	Low 100 rpm High 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	1.4 kg (3.1 lb.)	
Weight	180 x 180 x 70 mm (7.1 x 7.1 x 2.8")	

ORDERING INFORMATION

HI 322N-1 (115V), HI 322N-2 (230V), HI 324N-1 (115V) and HI 324N-2 (230V) are supplied with magnetic stir bar and instructions

ACCESSORIES

HI 731320 Magnetic stir bar (10)