

Auto-reverse Magnetic Stirrers

Speedsafe™



Stainless steel cover

HI 312N is a powerful stirrer that stirs up to 5.0 liters (1.3 gallons). The HI 302N model can stir up to 2.5 liters (0.66 gallons). It is often desirable to stir your samples in two directions. This will achieve maximum homogeneity and solubility. An advanced circuit allows HI 302N and HI 312N to reverse the direction of the stirring 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.

HANNA stirrers incorporate a VCD device that stops the motor from accelerating as soon as a load is removed (Speedsafe™). In addition to this feature, HI 312N also has an automatic feedback feature. The motor is electronically controlled to maintain the chosen speed as the load changes. If the viscosity or the level (fluid weight) increases or decreases, the circuitry will adjust the output power.

SPECIFICATIONS	HI 302N	HI 312N
Maximum Stirring Capacity	2.5 liters (0.66 gallons)	5 liters (1.3 gallons)
Speed Range	Low High	100 rpm 800 to 1000 rpm
Auto-Feedback	-	standard
Reverse Interval	from 30 seconds to 3 minutes	
Power Supply	110/115 VAC or 220/240V, 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

HI 302N-1 (115V), HI 302N-2 (230V), HI 312N-1 (115V), and HI 312N-2 (230V) are supplied with magnetic stir bar and instructions.

ACCESSORIES

HI731320 Magnetic stir bar (10)

2-speed Magnetic Stirrers with Tachometer

Speedsafe™



Stainless steel cover

QC stations and labs must be able to repeat tests and processes. In order to do this, the specifications must be clear at all times. When stirring a solution, the RPMs are a very crucial factor. Without a tachometer, there is no way of knowing the exact RPMs and therefore no way of repeating the process. The HI 303N solves this problem by incorporating an LCD tachometer. These stirrers also allow precise stirring repeatability by using two separate ranges. In each range, the speed can be fine tuned for exacting accuracy. This assures maximum repeatability in experiments and processing for laboratory as well as production use.

In addition to speed control, a limiter will assure that the maximum speed will never be exceeded (Speedsafe™). HANNA stirrers incorporate VCD device that will stop the motor from accelerating as soon as the load is removed.

SPECIFICATIONS	HI 303N
Maximum Stirring Capacity	2.5 liters (0.66 gallons)
Speed Range	Low High
	100 to 500 rpm 100 to 1000 rpm
Tachometer	4-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 lbs.)

ORDERING INFORMATION

HI 303N-1 (115V) and HI 303N-2 (230V) are supplied with magnetic stir bar and instructions.

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