

Auto-Reverse Magnetic Stirrers

Speedsafe

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.

During repeated testing, samples are often removed from the stirrer before the speed is reduced. This could cause the motor to accelerate until it destroys itself. Hanna stirrers incorporate a VCO device that stops the motor from accelerating as soon as the 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.



Ordering Information

HI 302N-1 magnetic stirrer, stainless steel cover, 100/115 Vac

HI 302N-2 magnetic stirrer, stainless steel cover, 230/240 Vac

HI 312N-1 magnetic stirrer, stainless steel cover, 100/115 Vac

HI 312N-2 magnetic stirrer, stainless steel cover, 230/240 Vac

HI 302N and HI 312N are supplied with magnetic stir bar and instructions.

Specifications

	HI 302N	HI 312N
Maximum Stirring Capacity	2.5 liters	5 liters
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 230/240V, 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 / Weight	180 x 180 x 70 mm (7.1 x 7.1 x 2.8") / 1.4 kg (3.1 lb.)	

Accessories

HI 731320 Magnetic stir bar (10 pcs)