

## Speedsafe

### Two-Speed Magnetic Stirrer with Tachometer



QC stations and labs must be able to repeat tests and processes. In order to do this, these 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. **HI 301N** and **HI 313N** solve 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 the tachometer and speed control, a limiter will assure that the maximum speed will never be exceeded (*Speedsafe*). Often, a sample is removed from the stirrer before reducing the speed. This may cause the motor to accelerate until it is destroyed. Hanna stirrers incorporate VCO device that will stop the motor from accelerating as soon as the load is removed. In addition to these features, **HI 313N** 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

		<b>HI 303N</b>
Maximum Stirring Capacity		2.5 liters
Speed Range	Low	100 to 500 rpm
	High	100 to 1000 rpm
Tachometer		0 to 1000 rpm
Power Supply		110/115 Vac or 230/240 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.)

#### Accessories

HI 731320 Magnetic stir bar (10 pcs)

#### Ordering Information

**HI 303N-1** magnetic stirrer, stainless steel cover, 100/115 Vac, micro stir bar and instructions.

**HI 303N-2** magnetic stirrer, stainless steel cover, 230/240 Vac, micro stir bar and instructions.