

HI 304N

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.

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 user 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



Stainless steel cover

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)