

Compact and Lightweight Stirrers

Common stirrers are manufactured with steel and aluminum components. These units are often too large and heavy to fit in the limited space of a laboratory. The HI 190M, HI 190MB and HI 200M are compact and lightweight, so that lack of laboratory bench space is no longer a concern.

These stirrers incorporate electronic controls that allow the user to regulate the speed with greater precision. Often, in the lab, a sample is removed from the stirrer before reducing the speed. This would cause the motor of conventional equipment to accelerate until it is destroyed. This does not pose a problem with HANNA mini-stirrers. In fact, the internal Speedsafe™ mechanism will ensure that the maximum speed is never exceeded.

HI 190M and HI 190M-0 come supplied with an ABS cover that will resist the harmful effects of chemicals that are accidentally spilled. The ABS-covered mini-stirrer is available in two versions: HI 190M operating at 110 or 220 Vac and HI 190M-0 at 12 Vdc. This provides you with the flexibility to choose between field and lab models, as well as being able to use the HI 190M-0 for applications where a low input voltage is a must.

HI 200M is supplied with an AISI 316 stainless steel cover. This model is ideal for applications that create exothermic reactions.

• Compact Size

The compact size of these stirrer allows users to maximize bench space for efficiency and safety.

• Safety

Speedsafe limits the maximum speed to 1000 rpm even if the load is suddenly removed.

• Chemical Resistance

The ABS housing of the HI 190M and HI 190 M-0 resists most harmful chemicals in the lab.

**AISI 316
Stainless Steel**

ABS Plastic



SPECIFICATIONS

	HI 190M	HI 190M-0	HI 200M
Maximum Stirring Capacity	1 liter (0.26 gallons)		
Speed Range			
Min.	100 rpm		
Max.	1000 rpm		
Power Supply	110/115 Vac or 220/240 Vac, 50/60Hz	12 Vdc	110/115 Vac or 230/240 Vac, 50/60Hz
Installation Category	II		
Cover Material	ABS plastic	ABS plastic	AISI 316 Stainless Steel
Environment	0 to 50°C (32 to 122°F); RH max 95%		
Dimensions	120 x 120 x 45 mm (4.8 x 4.8 x 1.8")		
Weight	640 g (1.4 lbs.)	610 g (1.3 lbs.)	710 g (1.6 lbs.)

ORDERING INFORMATION

HI 190M, HI 190M-0 and HI 200M are supplied complete with micro stir bar and instructions.

HI 190M-1	mini-stirrer with ABS cover, 110/115 Vac
HI 190M-2	mini-stirrer with ABS cover, 220/240 Vac
HI 190M-0	mini-stirrer with ABS cover, 12 Vdc
HI 200M-1	stainless steel cover, 110/115 Vac
HI 200M-2	stainless steel cover, 220/240 Vac

ACCESSORIES

HI 710005	115 Vac/12 Vdc pwr adapter (US) (HI 190MB only)
HI 710006	230 Vac/12 Vdc pwr adapter (EURO) (EURO) (HI 190MB only)
HI 731319	Magnetic stir bar (10)