

Intelli-Stirrer MSH-300i, Magnetic Stirrer with hot plate



DESCRIPTION

Intelli-Stirrer MSH-300i is magnetic stirrer of the new generation. Enclosures of stirrers are made of metal painted with powder enamel chemically resistant to acids and alkali. The stirrers are equipped with a detachable stand for supporting various sensor elements (temperature, pH and others) inside the stirred liquid.

The stirrers are supplied with a cylinder-shape magnetic stirring bar (6 x 25 mm) for universal use covered with Teflon.

Units are equipped with the overheat protection providing an automatic switch-off of the device when overheating for the set temperature difference occurs.

Magnetic stirrers with heating can be used for laboratory operations such as organic synthesis, extraction, analysis of oil products, pH-measurements, dialysis, soil suspending, preparing buffer solutions, etc.

Additional protection disables the heating, if the temperature of plate exceeds the set temperature for 30°C.

Operation temperature range +4°C to +40°C (from cold rooms to incubators) at maximal relative humidity 80%.

Intelli-Stirrer MSH-300i is a digital version of magnetic stirrer with heating; it is designed for laboratories with higher requirements. It offers digital setting and control of temperature and rotation speed.

A powerful magnet allows mixing solutions with glycerine viscosity level. Maximum volume of stirred liquid (water) is 20 litres.

An external probe provides direct control of the stirred liquids temperature.



Plate heat up time for Intelli-Stirrer MSH-300i

from 25°C — **11 min** — to 330°C

SPECIFICATION

Speed control range	100-1250 RPM (10 rpm increment)
Max. stirring volume (water)	20 litres
Plate temperature regulation range	+30°C...+330°C (1°C increment)
Temperature control range with external probe	+20°C...+150°C
Display	LCD
Temperature uniformity on the plate	±3°C
Working plate heating time till 330°C	11 min
Diameter of working plate	160 mm
Working surface material	Aluminium alloy
SR-1, attachable stand size	Ø 8 x 320 mm
Length of magnetic stirring element	20-70 mm
Max. stirring liquid viscosity	up to 1170 mPa.s

CAT. NR.

	MSH-300i with stand incl. power plug
BS-010309-AAA	230VAC 50/60Hz Euro plug
BS-010309-AAB	230VAC 50/60Hz UK plug
BS-010309-AA3	230VAC 50/60Hz AU plug
BS-010309-AAC	100VAC 50/60Hz US plug
BS-010309-AAC	120VAC 60Hz US plug
-----	Optional accessories
BS-010309-BK	External temperature probe
BS-010309-FK	HTP-1, holder for temperature probe

BS-010309-DK	IQ OQ document
BS-010309-EK	PQ document
-----	Replacement parts



Australian distributors:
Fisher Biotec Australia
free call: 1800 066 077
email: info@fisherbiotec.com
web: www.fisherbiotec.com

Intelli-Stirrer MSH-300i, Magnetic Stirrer with hot plate



Premium
Product Class

Fault indication	Outputs an error code on the display, turns off the heating
Overall dimensions (WxDxH)	190x270x100 mm
Weight	3.2 kg
Nominal operating voltage	230 V; 50/60 Hz or 120 V; 50/60 Hz
Power consumption (Stirring)	8.5 W
Power consumption (Heating)	550 W
----	----
External temperature probe	->
Probe type	Thermocouple
Connection	type K
A cable is covered with Teflon, mechanically strong, elastic and chemically stable against oils, acids, aggressive reagents and liquids	+
Cable length	1 m
Operation temperature range	-50°C to +250°C

BS-010302-AK

SR-1, detachable stand



Australian distributors:
Fisher Biotec Australia
free call: 1800 066 077
email: info@fisherbiotec.com
web: www.fisherbiotec.com