TECHNICAL DATA SHEET

ALab™ MS-H280-Pro LED Digital Magnetic Hotplate Stirrer

LED digital magnetic hotplate stirrer · Ø135 mm plate · RT to 280°C · 200 to 1500 rpm · 3 L · usable in chemical laboratories



ALab™ MS-H280-Pro LED Digital Magnetic Hotplate Stirrer

The ALab™ MS-H280-Pro LED Digital Magnetic Hotplate Stirrer; image shown for reference.

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SECTION I

Product Overview

CHEMICAL LABORATORIES. The MS-H280-Pro can be used in chemical laboratories and is resistant to chemical corrosion. Follow your laboratory's safety procedures when heating chemicals.

The ALab™ MS-H280-Pro is a compact LED digital magnetic hotplate stirrer for small-volume tasks and daily applications. It stirs up to 3 L of water at 200 to 1500 rpm and heats the 5-inch (Ø135 mm) plate from RT to 280°C. The LED display shows temperature and speed; a PT1000 sensor controls the liquid temperature; 320°C overheating protection and a "HOT" warning above 50°C are built in.

SECTION II

Core Advantages

- **Size** — 150 × 260 mm, 1.8 kg
- **Speed** — 200 to 1500 rpm
- **Control** — PT1000 external sensor
- **Heating** — RT to 280°C
- **Display** — LED temperature and speed
- **Use — chemical laboratories**

SECTION III

Specifications

Technical data — MS-H280-Pro

Specifications	
Brand	ALab™ by ACS Material
Model	MS-H280-Pro
ACS Cat. No.	Parent ALMSHO0F; ALMSHO00
Product type	LED digital magnetic hotplate stirrer with 5-inch plate
Work plate dimension	Ø135 mm (5 inch)
Motor type	Brushless DC motor
Stirring positions	1
Maximum stirring volume [H_2O]	3 L
Maximum stirrer bar length	50 mm
Speed range	200 to 1500 rpm
Speed display	LED
Temperature display	LED
Heating temperature range	RT to 280°C
Temperature control accuracy (liquid)	±1°C (<100°C), ±1% (>100°C)
Overheating protection	320°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000
"HOT" warning	50°C
Motor rating output	3 W
Power	515 W
Heating output	500 W
Voltage, frequency	100 to 120 V / 200 to 240 V, 50/60 Hz
Footprint [W × D]	150 × 260 mm
Weight	1.8 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Specifications	
Chemical use	Can be used in chemical laboratories; resistant to chemical corrosion

Control and safety

Function	Detail
Chemical use	Can be used in chemical laboratories; resistant to chemical corrosion
Overheating protection	320℃
"HOT" warning	Flashes "HOT" when the work plate temperature is above 50℃, even when the hotplate is turned off
External temperature control	PT1000 temperature sensor for control of the liquid temperature

SECTION IV

Applications

Small-volume heating and magnetic stirring of up to 3 L of water from RT to 280℃, including work in chemical laboratories.

Can be used in chemical laboratories. Specifications are per the tables above.

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