TECHNICAL DATA SHEET

ALab™ HP380-Pro LCD Digital Hotplate

LCD digital hotplate · 140 × 140 mm ceramic-coated plate · RT to 380°C · 500 W · not for chemical fields



ALab™ HP380-Pro LCD Digital Hotplate

The ALab™ HP380-Pro LCD Digital Hotplate; image shown for reference.

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SECTION I

Product Overview

NOT FOR USE IN THE CHEMICAL FIELD. The HP380-Pro is not available for chemical fields.

The ALab™ HP380-Pro is an LCD digital hotplate with a 140 × 140 mm aluminum plate with ceramic coating that heats from RT to 380°C in 1°C increments (heating output 500 W), with 420°C overheating protection and external PT1000 control (±0.2°C). It has no stirring function.

SECTION II

Core Advantages

- **Plate** — 140 × 140 mm, ceramic coated
- **Display** — LCD, ±1°C
- **Safety** — 420°C protection
- **Heating** — RT to 380°C, 500 W
- **Control** — PT1000, ±0.2°C
- **Use** — not for chemical fields

SECTION III

Specifications

Technical data — HP380-Pro

Specifications	
Brand	ALab™ by ACS Material
Model	HP380-Pro
ACS Cat. No.	Parent ALHP3O0F; ALHP3O00
Product type	LCD digital hotplate with ceramic-coated plate (no stirring)
Use restriction	Not available for chemical fields
Work plate dimension	140 × 140 mm
Work plate material	Aluminum cover with ceramic coating
Heating positions	1
Heating temperature range	RT to 380°C, increment 1°C
Overheating protection	420°C
Temperature display	LCD
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy ±0.2°C)
Protection class	IP21
Power	510 W
Heating output	500 W
Voltage, frequency	100 to 120 V / 200 to 240 V, 50/60 Hz
Dimensions [W × D × H]	180 × 320 × 108 mm
Weight	2.2 kg
Permissible ambient temperature and humidity	5 to 40°C, 80% RH

Control and safety

Function	Detail
Use restriction	Not available for chemical fields
Overheating protection	Overheating protection at 420°C
External temperature control	PT1000 temperature sensor, accuracy ±0.2°C, for control of the sample temperature

SECTION IV

Applications

Application guidance: research and education (material analysis); food industry (food additives, dairy products, nutrition analysis); biological engineering (biological reagents, biochemistry). Not available for chemical fields.

Specifications are per the tables above.

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