

TECHNICAL DATA SHEET

ALab™ VC100 Vacuum Controller

Vacuum Controller • 1-1000mbar • 5 programs × 5 steps • 5" TFT touch screen



ALab™ VC100 Vacuum Controller

The ALab™ VC100 Vacuum Controller. Image shown for reference.

CONTENTS

- 01** Product Overview
- 02** Core Advantages
- 03** Specifications
- 04** Applications

ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA

Phone +1 (866) 227-0656

Fax +1 (781) 518-0284

contact@acsmaterial.com

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SECTION I

Product Overview

The ALab™ VC100 Vacuum Controller is a device for labs to display, adjust and control the degree of vacuum in vacuum systems. It generally constitutes the vacuum control system of a rotary evaporator along with a vacuum pump.

Vacuum setting and measurement range 1-1000mbar; single-point and programmed control; up to 5 programs of 5 steps; 5" TFT touch screen; wetted parts PTFE, PP, silicone and ceramics; 600W, 110 240V, 50Hz/60Hz; 4.0kg.

SECTION II

Core Advantages

- **Range** — 1-1000mbar
- **Programs** — 5 × 5 steps
- **Wetted parts** — PTFE, PP, ceramics
- **Control** — single-point / programmed
- **Display** — 5" TFT touch
- **Vent valve** — built-in, inert gas

SECTION III

Specifications

Technical data — VC100

Specifications	
Brand	ALab™ by ACS Material
Model	VC100
SKU #	ALVC1000
Vacuum setting range	1-1000mbar
Vacuum measurement range	1-1000mbar
Control mode	Single-point control mode, Programmed control mode
Control program	Can store up to 5 programs, each containing 5-step control (capable to set the degree of vacuum and time)
Setting method	Touch screen setting
Display	5" TFT
Sensor overload pressure	1,500mbar
Connector diameter	8mm
Materials in contact with vapor	PTFE, PP, silicone and ceramics
Power	600W
Compatible conditions with vacuum pump	Power of 50Hz vacuum pump ≤400W; power of 60Hz vacuum pump ≤500W
Overall dimensions [W×D×H]	189×207×193mm
Weight	4.0kg
Voltage, Frequency	110 240V, 50Hz/60Hz
Operating environment	10-40°C, ≤80%RH

SECTION IV

Applications

Used with a vacuum pump as the vacuum control system of a rotary evaporator, for repeatable distillation experiments and the recovery of many kinds of solvents in an efficient and automatic manner.

Product value: precise vacuum regulation with a wide measurement and control range, programmed control, a large TFT touch screen, corrosion-resistant wetted parts and pump power control for energy conservation.

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