TECHNICAL DATA SHEET

ALab™ D-200 Benchtop Digital Display Homogenizing Emulsifier

Benchtop homogenizing emulsifier · 2000–20000 rpm · 200 W · 20–1200 mL · digital display



ALab™ D-200 Benchtop Digital Display Homogenizing Emulsifier

The ALab™ D-200 Benchtop Digital Display Homogenizing Emulsifier; image shown for reference.

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SECTION I

Product Overview

The ALab™ D-200 Benchtop Digital Display Homogenizing Emulsifier runs at 2000–20000 rpm with a 200 W DC high-speed motor and processes 20–1200 mL. The speed is set with a knob (stepless) and shown on the digital display.

It is used for the homogenization and emulsification of two immiscible liquids and the extraction of trace organic compounds, lipids and organic-solvent-soluble substances in water; it homogenizes animal and plant tissues, ruptures cell membranes and shears DNA. The operating mode allows continuous operation for approximately 15 minutes.

SECTION II

Core Advantages

- **Speed** — 2000–20000 rpm, stepless knob
- **Display** — digital speed
- **Samples** — liquids, tissue, cells
- **Motor** — DC, low heat generation
- **Blade-set options** — set 1: 20–1000 mL; set 2: 20–1200 mL
- **Operation** — approx. 15 min continuous

SECTION III

Specifications

Technical data — D-200

Specifications	
Brand	ALab™ by ACS Material
Model	D-200
ACS Cat. No.	Parent ALD2000F; ALD20000
Product type	Benchtop digital display homogenizing emulsifier
Speed range	2000–20000 rpm
Motor power	200 W
Processing volume	20–1200 mL
Adjustment method	Knob, stepless speed control
Speed display	Digital
Operating mode	Continuous operation for approx. 15 min
Protection rating	IP20
Max. viscosity	5000 mPa·s
Blade set 1 (small capacity)	Ø12 mm, length 15 cm; processing capacity 20–1000 mL
Blade set 2 (large capacity)	Ø18 mm, length 16 cm; processing capacity 20–1200 mL
Material of contact parts	Stainless steel and PTFE
Voltage, frequency	110–120 V, 60 Hz or 220–240 V, 50–60 Hz
Dimensions incl. bracket (L × W × H)	360 × 320 × 600 mm
Motor	DC high-speed motor
Weight	4 kg
Permissible ambient temperature and humidity	0 to 40°C, 85% RH

Blade-set selection

- Blade sets 1 and 2 are listed in the specifications; contact ACS Material to confirm the blade-set configuration for your order.

SECTION IV

Applications

Laboratory instrument in universities, environmental protection, health and epidemic prevention, the chemical industry, water supply and medical units.

Homogenization and emulsification of two immiscible liquids; extraction of trace organic compounds, lipids and organic-solvent-soluble substances in water; tissue homogenizing; cell membrane rupture and DNA shearing.

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