



KLABS Digital Probe Sonicator

Soundproof enclosure (in built)



Product Description

The KLABS KL-DPS-750 Digital Probe Sonicator is a microprocessor-controlled ultrasonic homogenization system designed for emulsification, dispersion, extraction, cell disruption, nanoparticle preparation, and sample processing. The system features an in-built soundproof enclosure, large touch-screen interface, auto frequency tracking, adjustable power output, and comprehensive safety monitoring for reliable laboratory operation. Specifications derived from the uploaded catalogue page.

Features

- Microprocessor Controlled & Fully Programmable
- Large Touch Screen Display
- In-Built Sound Proof Enclosure
- Auto Frequency Tracking
- Variable Power Control
- Real-Time Frequency Monitoring
- Temperature Indication & High Temperature Alarm
- Motorized Operating Table
- Multiple Safety Protection Functions
- User-Friendly Operation
- Adjustable Ultrasonic Output Power
- Compact Laboratory Design

Standard Accessories

- 6 mm Probe
- Power Cable
- Instruction Manual



ACCURATE
& STABLE



TOUCH
SCREEN



SOFTWARE
CONTROL SYS.



EASY
OPERATION



24 HOURS
WORKING

Application/Uses

- Cell Disruption & Lysis
- Nanoparticle Preparation
- Emulsification & Homogenization
- Sample Preparation
- Chemical Processing
- Pharmaceutical Research
- Biotechnology Applications
- Protein & DNA Extraction
- Material Science Research
- Academic & Industrial R&D Laboratories

Technical Specifications

Parameter	Specification
Product Name	Digital Probe Sonicator
Model Number	KL-DPS-750
Frequency	18–28 kHz Auto Tracking
Frequency Tracking Accuracy	1 Hz Real-Time Tracking
Processing Capacity	0.5 ml to 500 ml
Standard Probe	Ø 6 mm (1/4"
Display	8" Touch Screen
Display Function	Temperature, Power, Time, Gap Time
Temperature Range	0–99°C
Timer	Up to 99 Hours 59 Minutes 59 Seconds
Alarm Functions	Over Temperature, Over Current, Over Load, Transducer Abnormality, etc.
Operating Table	Electrically Operated Motorized
Lighting	Available Inside Cabinet
Data Memory	9 Memory Groups
Output Power	750 W (Adjustable)
Dimensions	280 × 280 × 490 mm
Weight	10.2 kg