



KLABS High Volume Air Sampler with Rechargeable Li Battery



Product Description

KLABS KHAVAS-2000 High Volume Air Sampler is a precision environmental monitoring instrument designed for efficient particulate sampling and air quality analysis. The system features programmable LCD touch screen control, rechargeable lithium battery backup, high flow sampling capability, and rugged industrial construction for continuous laboratory and field applications.

Product Features

- 21 CFR Part 11 Compliant User ID & Password Protection
- Data Storage Capacity up to 5000 Operations
- USB/PC Data Transfer & Printer Connectivity
- Precision Digital Flow Control System
- SS304 Filter Holder Assemblies
- Compatible with 4" & 8×10" Filter Holders
- Internal Threaded Filter Holder Connection
- Bright Blue Backlit LCD Display
- Real-Time Flow, Time & Volume Monitoring
- Adjustable Air Flow with Integrated Rotameter
- Portable Design with SS304 Carrying Handles
- Rugged Industrial & Laboratory Grade Construction

Applications & Uses

- Environmental Monitoring Laboratories
- Ambient Air Quality Monitoring
- Industrial Pollution Monitoring
- Research & Development Laboratories
- Pharmaceutical Industries
- Clean Room Monitoring
- Stack & Emission Monitoring
- Academic & Educational Institutes
- Particulate Matter Sampling
- Continuous Air Sampling Applications



KHAVAS-2000

Accessories

- Rechargeable Lithium Battery Backup
- SS304 Filter Holder Assembly
- USB Data Transfer Facility
- LCD Touch Screen Controller
- Integrated Rotameter
- Carrying Handles



Standard 1.5" BSP (F) Thread
(Other thread sizes available on request)

Technical Specifications

Parameter	Specification
Product Name	KLABS High Volume Air Sampler with Rechargeable Li Battery
Model Number	KHVAS-2000
Basic Features	Heavy duty brushless 24V DC motor almost maintenance free & zero consumable blower
Power Backup	USB Charger for 24V DC Power Supply with inbuilt rechargeable Lithium Battery for backup up to 2 hrs
Controller	5.0 inch LCD Touch Screen Programmable Controller for controlling various operation steps
User Management	3 level USER ID Password for User Control in compliance with 21CFR Part 11
Data Storage	Up to 5,000 operation data storage
Data Transfer	USB Data Transfer
Printer	Thermal Printer Connection (Optional)
Particulate Sampling	Down to 1.6 micron depending upon Filter used
Filter Holder	Replaceable SS304 filter holder of 4" Circular or 8"×10" rectangular size with SS304 mesh support having zero leakage / leak proof through rubber gasket at all joints to accommodate standard filter paper
Filter Media	4" (10cm) or 8" × 10" (203mm × 254mm) Glass microfiber filter for common use and EPM2000 or equivalent for special monitoring / research work
Flow Rate / Monitoring	Up to 2000 LPM or 2 Cubic meter per minute, Built In Rotometer for instantaneous reading of flow rate
Timer Recorder	0.00 to 99999.99 hrs. time totalizer records the running time in hours
Clock / Timer	Programmable Real Time control system with control of automatic start & stop, number of required intervals can be programmed
Sampling Time	As per user choice and upto 30 hours maximum for single operation
Power Requirement	Single phase AC 220 volts, 50 Hz, sampler unaffected by +/- 10 % fluctuation in supply voltage
Dimension	450 × 450 × 1150 mm
Construction	Light weight body made-up Powder coated Aluminum robust enough to withstand impacts and vibration in transportation
Night View	Provision has been made for light in the sampler for taking reading during dark area and night hours
Weight	Aluminium Powder Coated Approximately 5 Kg / SS304 Approximately 8 kg

COMPATIBLE FILTER HOLDER ASSEMBLIES (INTERNAL THREADED CONNECTION)



4" FILTER HOLDER
ASSEMBLY



8×10" FILTER HOLDER
ASSEMBLY



8×10" FILTER HOLDER
ASSEMBLY (SIDE VIEW)