Portable Air Sampler Kit LD-LPBS-B10

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Overview

Portable Air Sampler Kit LD-LPBS-B10 is a portable air-sampling instrument designed for occupational hygiene and workplace exposure assessment. It is intended for collecting air samples for the determination of volatile toxic substances and, with suitable sampling accessories, total, respirable and metal dust. The instrument supports both personal exposure monitoring and stationary sampling, making it suitable for routine industrial hygiene investigations and workplace air-quality assessment.

Features:

- Microcomputer-controlled operation for reliable and straightforward sampling management
- Real-time LCD monitoring provides the operator with immediate flow information during sampling
- Electronic flow adjustment eliminates the need for a conventional mechanical flow-control knob valve
- High-vacuum pump provides the pumping capability required for sampling against system resistance
- Rechargeable lithium battery provides convenient repeated-use operation
- Battery protection system incorporates over-current and short-circuit protection
- Explosion-proof and non-explosion-proof vacuum pumps are available according to the intended working environment
- Multiple sampling modes allow the instrument to be configured for manual, timed or cyclic sampling
- Belt-mounted operation supports personal exposure sampling while the worker performs normal activities
- Tripod-supported operation can be used for repeated short-duration sampling at a selected workplace location
- Polycarbonate housing provides flame-retardant, moisture-resistant and antistatic characteristics

Applications:

The Personal Air Sampling Kit is suitable for industrial hygiene, manufacturing facilities, chemical and pharmaceutical industries, mining and mineral, construction, laboratories, environmental monitoring.

Specifications:

Display	LCD
Pump Type	Vacuum pump
Flow Error	? ±5%
Power Supply	Rechargeable lithium battery
Timing Range	1 min to 99 h 59 min
Flow Stability	?5%
Sampling Modes	Cyclic, manual and timed

Timing Accuracy	? ±0.1%
Flow Control Mode	Electronic constant-current control, Built-in precision electronic flowmeter
Flow Range Options	20–200 mL/min; 20–500 mL/min; 50–500 mL/min; 100–1000 mL/min; 100–1500 mL/min; 500–2000 mL/min; 1000–5000 mL/min
Flow Repeatability	?2%
Versions Available	Explosion-proof / non-explosion-proof
Flow Regulation Step	10 / 50 / 100 / 500 mL/min, depending on flow-range option
Operating Temperature	?10°C to 50°C
Continuous Operating Time	>12 hours