

Gravimetric Air Samplers

Air Quality Management

**The most accurate method of determining particulate mass concentration.
Capable of sampling at the very lowest detection limits.**

Munro Instruments specialises in the manufacture of high-quality environmental monitoring equipment. Our comprehensive range of air samplers caters for all environmental and health-and-safety requirements and can be found in nuclear, construction, transport and agricultural facilities around the world.



L60iF Large Volume Air Sampler

Key Features

- The L60iF is a large-volume, microprocessor-controlled air sampler with an integrated flow monitoring system.
- Up to 250 sampling programmes can be stored in memory.
- If a flow interruption occurs, the device will sound an alarm, record the event and stop sampling.



- Suitable for all applications - from brief samples (100 litres in 100 seconds) to continuous year-long assessments.
- Applications include perimeter monitoring, emergency response, stack emissions sampling, routine workplace measurements and reassurance monitoring.

SPECIFICATIONS	
Nominal Flow Rate	>60 L/min
Memory	Last 250 Sampling Programmes
Display	Vacuum Fluorescent
Flow Loss Alarm	Audible and Visual
Accuracy	Flow $\pm 2.5\%$, Volume $\pm 3\%$
Sliding Vane Pump	4 Vanes
Power	110/120 V 50/60 Hz or 220/240 V 50 Hz
Motor Protection	Overload cutout trip
Dimensions	175 mm (H) x 290 mm (W) x 310 mm (D)
Weight	13.9 kg
Enclosure	Steel, powder-coated

Get in touch for more information

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L30, L60 and L100 Large Volume Air Samplers

When the active concentration of a pollutant is very low, standard air monitors may not be sufficiently sensitive to detect background levels. If this is the case, a large sample must be taken quickly and accurately.

Our range of Portable Large Volume Air Samplers will draw against a restriction of 250 mbar or more. Air samples of hundreds of cubic metres can be taken using a variety of media.



Key Features

- Nominal flow rate of 30, 60 or 100 litres per minute (depending on model)
- Inbuilt lapsed-time indicator
- Protection against overload or stalling
- Exhaust line fitted with a silencer
- Many thousands of units in use worldwide

SPECIFICATIONS			
	L30	L60	L100
Nominal Flow Rate	30 L/min	60 L/min	100 L/min
Lapsed Time Indicator	to 9999.99 hr		
Display (L/min)	20 to 40	40 to 70	70 to 110
Sliding Vane Pump	4 vanes		
Power Supply	110/120 V 50 Hz 1.3 A or 220/240 V 50 Hz 0.65 A		
Motor Protection	800 mA at 240 V, 1.6 A at 120 V		
Standard Filter Size	60 mm dia.		
Dimensions	240 mm (H) x 175 mm (W) X 330 mm (D)		
Weight	8.8 kg	10 kg	11.4 kg
Enclosure	Mild steel, powder coated		

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L10 and L10B Handheld Air Samplers

The L10 and L10B are handheld air samplers with internal batteries (either dry cell or rechargeable). They are designed for short-term sampling and grab sampling. Both use an efficient sliding vane pump for pulsation-free airflow. The samplers are designed to be easily dismantled for cleaning and maintenance.

Key Features

- Nominal flow rate of 10 litres per minute
- Battery powered for remote sampling
- Light and portable
- Inbuilt lapsed-time indicator
- Protection against overload or stalling



SPECIFICATIONS		
	L10	L10B
Nominal Flow Rate	5 to 10 L/min	
Flow Setting	Needle Valve	No
Maximum Load	Flow exceeds 7 L/min at 24.9 mbar	
Operating Temperature	-5°C to +30°C	
Sliding Vane Pump	4 Vane	
Supply	7.2 V NiCd rechargeable	2 x 6V PJ966/4R25
Run time from full charge	8 to 10 hours	Up to 30 hours
Charging Time	14 hours at 200 mA	N/A
Dimensions	200 mm (H) x 152 mm (W) x 114 mm (D)	235 mm (H) x 168 mm (W) x 95 mm (D)
Weight	2.3 kg	2.5 kg
Enclosure	Mild steel, powder coated	

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