



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.



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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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