

LIFE ONE



- Environmental sampler
- Constant flow rate
- Battery powered
- Reduced size and weight



LIFE ONE is an easy to program sampler, thanks to its **polycarbonate keypad** and **large LCD display** for viewing set and stored data.

Practical and lightweight, it can be used on power mains and in environments without power supply thanks to the possibility of connecting **optional external batteries**.

Sampling is performed at a **constant flow** rate thanks to the electronic flow regulation system with automatic compensation of the pressure drops on the collector.

Sampling parameters are always available on the display and at the conclusion of sampling they are stored in the final summary, which also includes the normalized volume calculations.

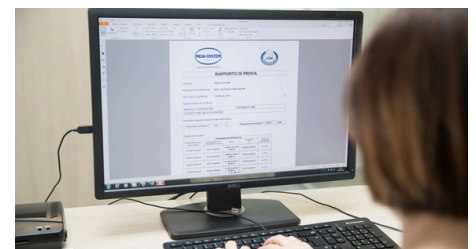
The instrument is equipped with a **buffer battery** that allows the active program to be paused in case of power failure.

When the power comes back on, the instrument is able to automatically resume sampling and records the event in the final summary.



MAIN FEATURES

- Constant flow rate with automatic compensation of load losses
- Digital flow setting and adjustment using the keyboard (even during sampling)
- Recording and display of temperature and sampled volume
- Reporting, storage and management of alarms
- Memory for storing data relating to the last sampling performed
- "Buffer" battery for restarting the sampler in the event of a power failure and recording the event itself
- The instrument is supplied complete with test report



SOFTWARE FEATURES

Environmental sampling at constant flow in accordance with European regulations.

Sampling mode:

- Timed with sampling duration setting
- Volumetric with sampling volume setting
- Delayed start



TECHNICAL FEATURES

• PERFORMANCE	
Type of pump	Membrane - single head from 1,8 m ³ /h
Free air vent flow rate	> 30 L/min
Maximum vacuum	> 600 mmHg
Volumetric Meter /Resolution /Accuracy	G 2,5 / 0,2 L / ± 2
Sampling time	Uncertainty < 30 sec / dd
• INTERFACE, DATA ARCHIVING	
Display	Alfanumeric LCD (40x2)
Interface	USB host (on Pen Drive)
• ENVIRONMENTAL CONDITIONS	
Temperature	0 °C ÷ 45 °C - 95% UR
• ENERGY	
Power	230 Vac - 50 Hz Optional external battery box lasting >5h (Pb) or >9h (Lithium) at 10L/min with 25mm filter
Consumption	110 W
• FEATURES	
Weight	7 kg
• SUPPLIED WITH	
Technical manual	
Test report	
• OPTIONS	
External battery box	
Telescopic rod	

• TEMPERATURE SENSORS	
Meter	Digital
Range	0 ÷ 50 °C
Resolution	0,1 °C
Accuracy	± 2 °C



Telescopic rod (optional)

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