



LIFE 1 ONE

Environmental Sampler

MEGA SYSTEM
s.r.l.

POLLUTION CONTROL SYSTEMS

LIFE ONE is an automatic sampler suitable to perform sampling operations complying with L.D. 81/2008, and can also be used for gas and vapour collection.

Very easy to program thanks to the polycarbonate keypad and to the large LCD display, showing the set and stored data.

Practical and lightweight, it can be easily carried around; it may be powered by mains voltage, or used in environments where no power supply sources are available, thanks to the possibility to connect any optional external batteries.

Sampling is carried out with constant flow rate, thanks to the electronic flow adjustment system with automatic compensation for the load losses on the captator.

The sampling parameters are always available on the display and at the end they are stored in the final summary, also including the calculation of the normalized volume.

The instrument is equipped with a backup battery allowing to pause the active program in case of power supply failure. When power supply is restored the instrument can automatically resume sampling, logging the event in the final summary.

MAIN FEATURES

Constant flow rate with automatic compensation of the load losses.



Digital flow setting and change through the keypad (even during sampling).

Recording and display of temperature and sampled volume.

Notification, recording and management of the alarms.

Memory to store the data concerning the last sampling done.

Backup battery to restart the sampler in case of power failure and event logging.

The instrument is supplied with a complete testing report.

Note: The test report also specifies the calibration procedure used and the primary reference standards. The primary standards used are certified by LAT Centres or by international Calibration Centres accredited by bodies which are members of E.A. – European co-operation for Accreditation (an association representing the European accreditation bodies)



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TECHNICAL SPECIFICATIONS



PUMP

Membrane pump of 1,8 m³/h with high head
Flow rate with free air vent: > 30 l/min
Vacuum > 600 mmHg

OPERATIVE RANGE

1 ÷ 25 l/min

DRY GAS METER

Non-resettable dry gas meter
Max error: ± 2%

DRY GAS METER TEMPERATURE SENSOR

Temperature sensor: digital
Range: 0 ÷ 50 °C
Resolution: 0,1 °C
Precision: ± 2 °C

SAMPLING TIME

Uncertainty: < 30 sec / gg

OPERATIVE TEMPERATURE

0°C ÷ +40°C 95% UR

POWER SUPPLY

230 Vac - 50 Hz / External batteries 12Vcc (not included)

SIZE AND WEIGHT

240 mm x 260 mm x 285 mm - 7 Kg



Accessories:



شرکت آلایرداز محیطا

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