

SAMPLING
SOLUTIONS

MEGA SYSTEM

CALIBRATION
& METROLOGY

LIFE GAS



- Automatic derivation with APIS PLUS
- Emission gas sampling
- Constant flow rate
- Data Memory
- Works on mains power and on internal rechargeable batteries
- Compliant with
UNI EN 14791
UNI EN 14385
UNI EN 13211
UNI EN 1911



LIFE GAS

LIFE GAS is designed to perform low emission flow sampling, on various substances, including:

- Solid phase gas adsorption by means of adsorption vials (VOC) in compliance with EN 13649 (used in chimneys with little or no condensation).
- Liquid phase gas adsorption by means of impingers (acids) in compliance with DL 25/08/2000 (Istisan Report 98/2). Its reduced size and weight, and ability to run on mains or with rechargeable internal batteries, facilitate sampling even in hard to access areas.

The Life Gas system allows the automatic derivation with Apis Plus to manage all the isokinetic sampling independently. Normalization's flow and parameters of the derivated line are managed independently from the sampler thanks to the software interface with the control unit to further simplify the in stack sampling

MAIN FEATURES

- Polyester keyboard and LCD display for data management.
- Elevated hydraulic diaphragm pump head for sampling at low flow rates.
- Constant flow rate with automatic load loss compensation.
- Mass Flow sensor for automatically setting, adjusting and controlling flow.
- Volumetric counter for measuring the sampled volume as required by current regulations.
- Alarm management and recording.
- Records average temperature and volumes (actual and normalized), at the meter.
- Sampling data storage.
- RS-232 interface for data download to PC
- Dual power supply: to mains and with internal batteries that guarantee high autonomy (>3h a 0,5 L/min), without battery memory effects.
- Built-in battery charger.
- Double filter protection for particulates and liquids
- Connection with quick couplings

• PERFORMANCE	
Type of pump	Double membrane-dual head 8 L/min
Operating range	0,2 - 4 NL/min
Volumetric/Resolution/ Accuracy meters	G 1,6 / 0,2 L / ±2%
• INTERFACE, DATA ARCHIVING	
Display	Alphanumeric LCD (40x2)
Interface	RS232 (download data to PC)
• ENVIRONMENTAL CONDITIONS	
Temperature	0 °C ÷ 45 °C - 95% UR
• ENERGY	
Mains power	Input 230 Vac - 50 Hz
Battery	Internal, high capacity
Battery charger	Built-in
Consumption	110 W
• FEATURES	
Weight	6 kg
• OPTIONS	
EN 17025 certification for dry gas meter	
• SUPPLIED WITH	
Technical Manual	
Test report	

• TEMPERATURE SENSOR	
Range	-20 ÷ +50 °C
Resolution	0,1 °C
Accuracy	± 1 °C
• FLOW SENSORS	
Range	6 SLPM
Response time	1 s
Accuracy	±2%