



LIFE DUO

Gas in emissions

MEGA SYSTEM
s.r.l.

POLLUTION CONTROL SYSTEMS

The LIFE DUO model combines in a single instrument two independent collection sections, for simultaneous sampling of emission gases and/or vapours.

Each sampling section of the instrument consists of a volume flow meter a built-in volume flow meter and a keypad with LCD display.

The dry gas meter and the flow meter of the first sampling section are located on the instrument front panel, while the meter and the flow meter of the second section are located on the rear panel. The front panel hosts two keypads and 2 LCDs for collection and data management. On the left there are the pneumatic connections of the 2 collection lines.



Main features of each section:

- high head membrane pump
- manual adjustment of the flow by means of the built-in flow meter
- No external accessories required for minimum flow rate adjustment.
- constant flow rate with automatic compensation of the load losses
- luminous alarm to signal "out of range by 5 %"
- recording of alarms and initial, final and average temperature
- storage of sampling data
- Quick collection scheduling.
- RS-232 interface for stored data downloading to the PC.
- long-life batteries without memory effect
- battery charger built into the instrument with POWER/CHARGE function
- dual power supply: mains or internal batteries



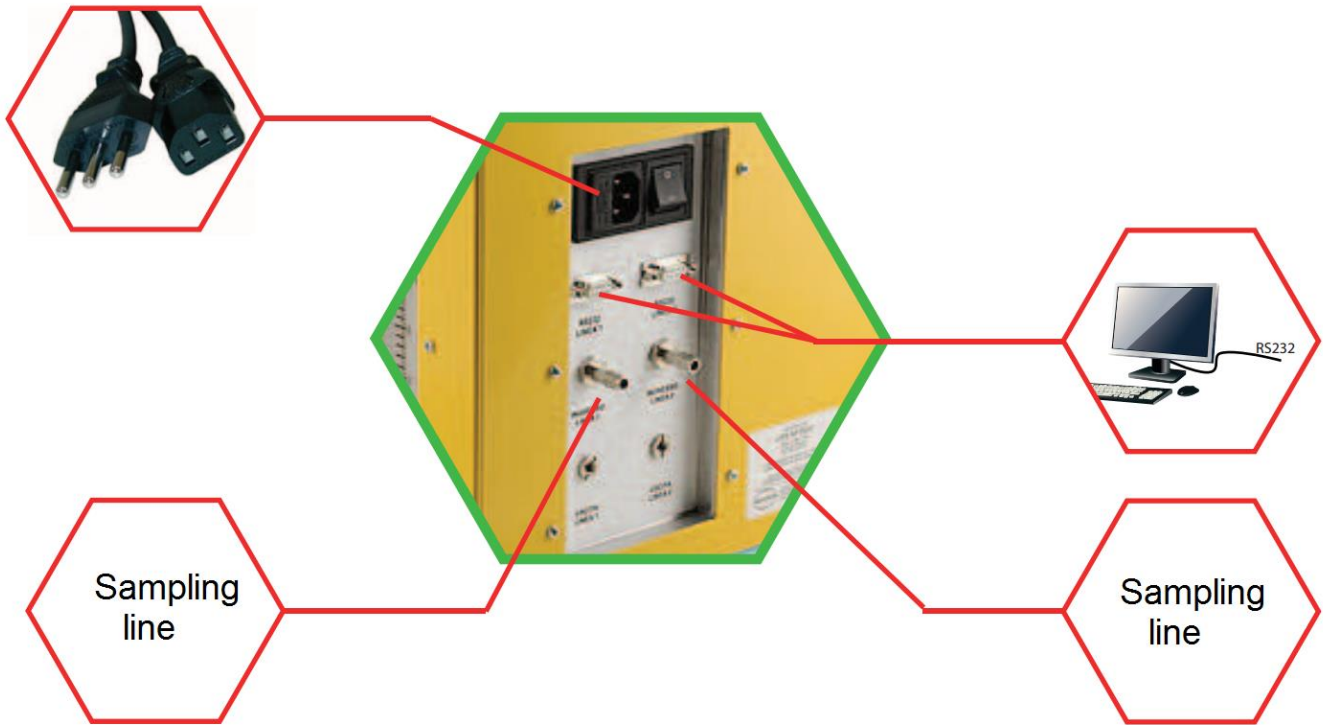


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The instrument is sold complete with technical manual and test report.

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

Double head membrane pump of 8 l/min with high head

Operative range

20 cc/min ÷ 4000 cc/min

Dry Gas Meter

Non-resettable dry gas meter
Maximum error: $\pm 2\%$

Flowmeter

Integrated 0,2 ÷ 4 l/min

Digital temperature sensor

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

Interface for management and programming

LCD display with polyester keyboard

Data download interface

RS232 to download data on a PC

Operative temperature

-10 °C ÷ +40 °C - 95% UR

Power

Main power: [input 230Vac – 50Hz]

Batteries

Internal rechargeable batteries
Integrated battery charger

Autonomy

Battery operations up to 8 hours

Size and weight

320x350x315 mm – 10 Kg