



SAMPLING
SOLUTIONS

MEGA SYSTEM

CALIBRATION
& METROLOGY

LIFE DUO DIL



- Gas sampler
- Double sampling line
- Gas sampling line
- Dilution line
- Active carbon container for drying/purifying dilution air



CARE FOR THE
ENVIRONMENT



LIFE DUO DIL

LIFE DUO DIL incorporates a section for gas sampling and a section for separate and independent dynamic dilution in a single instrument. Compliant with EN 13649, it is intended for use in ducts holding humidity, to determine the mass concentration of individual organic compounds in gaseous form.

Each sampling section of the instrument has a volumetric meter, an integrated flowmeter and a keyboard with an LCD display.

An active carbon trap, required for air purification, is inserted in the dilution line and it is always visible for the carbon status check.

The two lines are clearly identified and placed on both sides of the instruments.

The front panel has two keyboards and two LCDs to manage samples and data. The pneumatic connections to the main line and the socket for the dilution line are on the left. On the right, there is a compartment with a door, from which you access the activated carbon trap connected to the dilution section to purify the air.

MAIN FEATURES

- Manual flow adjustment (integrated meter flows) with handgrips.
- Adjustable minimum flow rate without the use of external accessories.
- Constant flow rate with automatic compensation for load losses.
- Dilution ratio stability of less than 5%.
- Alarm for deviation of +/- 5% from pre-set flow rate.
- Recording of initial, final and average temperatures, and alarms.



TECHNICAL SPECIFICATIONS

Performance

Type of pump	Double membrane-dual head 8 l/min
Operating range	0,2 ÷ 4 l/min
Volumetric meter/Resolution/Accuracy	G 2,5 / 0,2 l / ±2%
Flowmeter	Built-in 0,2 ÷ 4 l/min
Memory	5 samplings
Quick sampling programming	✓

Interface, Data Archiving

Display	Alphanumeric LCD (16x2)
Interface	RS232 (download data to PC)

Environmental Conditions

Working Temperature Range	0 °C ÷ +45 °C - 95% UR
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Energy

Mains power	Input 230 Vac – 50 Hz
Battery	Internal, high capacity
Battery charger	Built-in

Features

Weight	11 kg
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Supplied With

Technical Manual
Test report

Options

LAT Certified volumetric meter

Temperature Sensors

Range	0 ÷ 50 °C
Resolution	0,1 °C
Accuracy	± 2 °C