

SAMPLING
SOLUTIONS

MEGA SYSTEM

CALIBRATION
& METROLOGY

LIFE DUO DIL



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



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.

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
Operative 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	✓
Vacuum gauge	0/-100 kPa

• INTERFACE, DATA ARCHIVING

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

• ENVIRONMENTAL CONDITIONS

Temperature	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
Consumption	110 W

• FEATURES

Weight	11 kg
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• OPTIONS

LAT Certified volumetric meter

• SUPPLIED WITH

Technical manual
Test report

• TEMPERATURE SENSORS

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