

Flue gas analysis computer MULTILYZER NG



Features:

- USB interface for PC/notebook and infrared interface for printer
- Measuring configuration can be programmed as required
- Measuring mode with two active levels (multitasking mode)
- LCD display with up to 10 measured values at a glance
- Separate measurement programs for flue gas analysis, pressure, temperature and heating check

Application

MULTILYZER NG is the ideal solution for checking and servicing small and medium heating systems according to the German BImSchV guidelines. In addition, MULTILYZER NG can be used for CO concentration safety checks at gas-fired systems. In addition, the instrument can be used for measurements and adjustments at solid fuel systems, in particular for pellets, as well as bi-valent, modulating combined heating and power plants.

The compact design allows the instrument to be equipped with any combination of up to six electrochemical cells.

MULTILYZER NG can also be used to perform the required measurements for heating checks (flue gas loss, ventilation loss and surface loss measurements).

Description

In addition to the existing approvals according to BImSchV and KÜO, MULTILYZER is approved according to the stringent rules of EN 50379 (part 2) and is therefore particularly suitable for measurements regulated by law in Europe. The large LCD display allows you to display either 5 or 10 measured values. The measured values can be printed wirelessly either directly from the measuring program or from the memory via an infrared printer. In addition, the instrument features a USB interface for data

transmission to a PC. MULTILYZER NG is also equipped with a device monitoring function, limit value monitoring (flushing pump, can also be operated manually), graphical evaluation of the measured values with combustion charts for small gas and fuel oil systems as well as a core search function. The measured gas values can be displayed in four and the pressure measurement value in six different units. Various measuring programs for (differential) pressure and temperature with min./max. indication of all measured values with reset function are available. Calculated parameters: CO undiluted (air free), lambda, CO₂, eta efficiency, flue gas losses, dew point, temperature difference.

Accuracy: ±1 % of meas. value/
±2 % of meas. value
Resolution: 0.01 hPa

O₂ measurement

Measuring range: 0/21 % by volume
Resolution: 0.1 % by volume
Accuracy: ±0.2 % by volume of meas. value

CO₂ determination

Range: 0/CO₂ max.
Resolution: 0.1 % by volume
Accuracy: ±0.2 % by volume

CO measurement (with H₂ compensation)

Measuring range: 0/4,000 ppm
Resolution: 1 ppm
Accuracy: ±3 ppm
(up to 20 ppm)
± 5 % of meas. value
(above 20 ppm)

Technical specifications

Flue gas temperature (including separate differential temperature measurement)

Measuring range: -20 °C/1,000 °C
Resolution: 1 °C
Thermocouple: NiCr-Ni (type K)

External wall / air temperature

Measuring range: -20 °C/+200 °C
Resolution: 0.1 °C
Thermocouple: NiCr-Ni (type K)

Draft/differential pressure

Measuring range: ±70 hPa (nominal)/
±130 hPa (max.)

Options

NO measurement

Measuring range: 0/2,000 ppm
Resolution: 1 ppm
Accuracy: ±5 ppm
(up to 50 ppm)
± 5 % of meas. value
(above 50 ppm)

CO measurement solid fuels

Measuring range: 0/2.0 % by volume
(or 20,000 ppm)
Resolution: 0.01 % by volume
Accuracy: ± 5 % of meas. value
± 1 digit

Flue gas analysis computer MULTILYZER NG



EUROPRINTER thermal printer



SO₂ measurement

Measuring range: 0/2.000 ppm

Resolution: 1 ppm

Accuracy: ±10 ppm
(up to 150 ppm)
±5 % of meas.
value
(above 150 ppm)

NO₂ measurement

Measuring range: 0/200 ppm

Resolution: 1 ppm

Accuracy: ±10 ppm
(up to 50 ppm)
±10 % of meas.
value
(above 50 ppm)

Weight

Approx. 750 to 900 g (depends on equipment with sensors)

Display

High-resolution graphical LCD module. Five or ten measured values plus menu line can be displayed as desired.

Memory

Max. 100 memory blocks with dynamic memory management and folder/file structure.

Data communication

USB interface and wireless infrared printer interface. Option: Bluetooth interface.

Dimensions housing

W x H x D: 95 x 215 x 45 mm

Scope of delivery

MULTILYZER NG up to 6 measuring cells and TA, TGas, CO₂, lambda, qA, with calibration record, power supply unit, flue gas combination probe immersion depth 300 mm, condensate filter cartridge, ambient air sensor, connection kit for gas fittings, protective housing with magnet, aluminium case.

DG: H	Part no.	Price €
MULTILYZER NG		
O₂, CO_{H2}, differential pressure (instrument only)	69631G	
MULTILYZER NG		
O₂, CO_{H2}, NO, differential pressure (instrument only)	69632G	
MULTILYZER NG		
O₂, CO_{H2}, CO_{20,000}, differential pressure (instrument only)	69633G	
MULTILYZER NG		
O₂, CO_{H2}, CO_{20,000}, NO, differential pressure (instrument only)	69634G	
MULTILYZER NG		
O₂, CO_{H2}, differential pressure (see scope of delivery)	69631A	
MULTILYZER NG		
O₂, CO_{H2}, NO, differential pressure	69632A	
MULTILYZER NG		
O₂, CO_{H2}, CO_{20,000}, differential pressure	69633A	
MULTILYZER NG		
O₂, CO_{H2}, CO_{20,000}, NO, differential pressure	69634A	
MULTILYZER NG – special equipment	69635	on request
Options		
Bluetooth interface	69236	
Accessories		
Charger	69406	
Protective housing with magnet	69350	
EUROPRINTER thermal printer	69480	
Please enquire for maintenance contracts.		

Refer to page 490 for further accessories.