

Flue Gas Analysis Computer MULTILYZER NG

Ideal for servicing all types of heating installations and for measurements and adjustments on solid fuel burner systems



- **USB interface for PC/Laptop and IR interface for printer**
- **Bluetooth Data Interface (optional)**
- **Individually programmable measurement configurations**
- **Multitasking measuring mode with two active levels**
- **LCD display with up to 10 measured values**
- **For use with maximum number of electrochemical sensors in combination: O₂, CO/H₂ (H₂ compensated), NO, SO₂, NO₂ and CO_{20,000}**
- **Separate measuring programmes for (differential-) pressure and temperature with min./max. indication of all measured values and reset function**
- **Graphic evaluation of measured values according combustion chart for gas and fuel oil systems as well as a flue-gas stream search function**
- **MULTILYZER NG is certified to EN 50379-2 and approved for legally regulated measurements in Europe**

Application

MULTILYZER NG is ideally suited for checking and servicing of small and medium sized heating installations according to BImSchV and for checking CO concentrations in gas-fired systems. In addition, the instrument can be used for measurements and ad-

justments on solid fuel systems, in particular for pellets, as well as bivalent, modulating combined heating and power plants. The compact design allows the instrument to be equipped with any combination of up to six electrochemical sensors.

In addition to the existing approvals according to BlmSchV, MULTILYZER NG is also approved according to the stringent rules of EN 50379 (Part 2) and is therefore ideally suited for measurements regulated by law through-out Europe. The large LCD display allows for 5 or 10 measured values to be displayed. Measured values can be transmitted wireless either directly from the measuring programme or the memory to an infrared printer. In addition, the unit features a USB interface for data transmission to a PC. The instrument is also equipped with a device monitoring function, limit value monitoring (flushing pump; can also be operated manually), graphic evaluation of the measured values according combustion charts for gas and oil fired systems as well as a core stream search function. 4 measured gas values can be displayed and the pressure measurement value in 6 different units. Furthermore, separate measurement programmes are available for (differential-) pressure as well as temperature with min./max. indication and reset function.

Calculated parameters: CO undiluted, Lambda, CO₂, Eta efficiency, flue gas losses, dew point, temperature difference.

Technical Specifications

Flue gas temperature (incl. separate differential temperature measurement)

Measuring range: 0 °C/1,000 °C
Resolution: 1 °C
Thermocouple: NiCr-Ni (Type K)

Ambient/air temperature

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

Draught/differential pressure

Measuring range: ±70 hPa (nominal)/±130 hPa (max.)
Accuracy: ±1% of meas.value/±2% of meas.value
Resolution: 0.01 hPa

O₂ measurement

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

CO₂ calculated value

Measuring range: 0/CO₂ max.
Resolution: 0.1 Vol. %
Accuracy: ±0.2 Vol. %

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)

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 Vol. % (or 20,000 ppm)
Resolution: 0.01 Vol. %
Accuracy: ±5 % of meas.value
±1 digit

SO₂ measurement

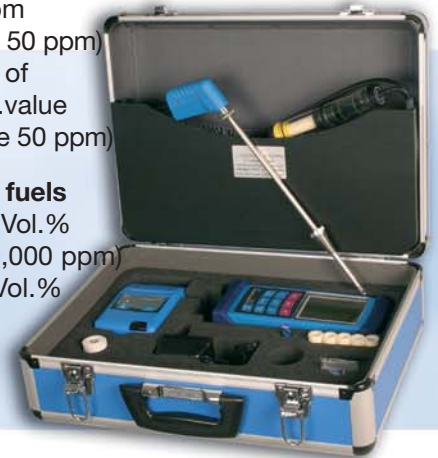
Measuring range: 0/2,000 ppm
Resolution: 1 ppm
Accuracy: ±10 ppm (up to 150 ppm)
±5 % of meas.value (above 150 ppm)

NO₂ measurement

Measuring range: 0/200 ppm
Resolution: 1 ppm
Accuracy: ±10 ppm (up to 50 ppm)
±10% of meas.value (above 50 ppm)

Scope of delivery

MULTILYZER NG with up to 6 measuring cells, incl. mains power adaptor, calibration certificate, 300 mm flue gas combination probe, condensate filter cartridge, ambient air sensor, connection kit for gas fittings, protective housing with magnet, aluminium carry case.



UK SALES & SERVICE CENTRE



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Type	Part no.
MULTILYZER NG O ₂ , CO _{H2} , differential pressure	69631A
MULTILYZER NG O ₂ , CO _{H2} , NO, differential pressure	69632A
MULTILYZER NG O ₂ , CO _{H2} , CO _{20,000} , differential pressure	69633A
MULTILYZER NG O ₂ , CO _{H2} , CO _{20,000} , NO, diff. pressure	69634A
MULTILYZER NG – Special equipment	69635
Service contract (please enquire).	