

Flue Gas Analysis Computer MAXILYZER NG

Ideal for checking and servicing every type of heating system according to BImSchV as well as other calorific appliances and solid fuel burner systems.



- **Dust- and waterproof instrument case with vent valve**
- **For use with maximum number of 6 electro-chemical sensors**
- **Powerful rechargeable battery for up to 36 hours continuous use with active display illumination**

- **Multitasking measuring mode with two active levels**
- **LCD display with up to 10 measured values**
- **Hold function, zoom function, core stream search function and unit conversion**
- **Bluetooth Data Interface (optional)**
- **Graphical evaluation of measured values according combustion chart (online function)**
- **MAXILYZER NG is certified to EN 50379-2 and approved for legally regulated measurements throughout Europe**

Application

Flue gas analysis computer with integrated printer and gas treatment unit housed in a robust and waterproof plastic case. Optimised gas distribution, an efficiently accommodated gas treatment

system in the lid of the case and a second pump for the protection of the CO sensors make this a user and service-friendly analysis computer which performs all daily measuring tasks reliably.



Measured parameters

O₂, CO_{4,000} (H₂ compensated), (optional: CO_{20,000}, NO, NO₂ and SO₂), flue gas temperature, combustion air temperature, differential pressure, differential temperature.

Calculated parameters

CO undiluted, Lambda, CO₂, efficiency η , flue gas losses q_A. When the lid is opened, all operating and connection elements are found on the front of the analyser with connection sockets for pressure, temperature, battery charger, USB port and connections for the flue gas combination probe on the left hand side. Located in the upper half is the large graphic display with 3 special soft keys below it. Located on the right hand side is the integrated thermal paper printer and a foil keypad fitted flush into the instrument surface.

The large display has 10 lines with an additional info-line, graphic display, zoom and hold function as well as an electronic core stream search function and sensor status diagnostics. The unit was also designed for the optimisation of solid fuel burners, pellet firing and similar calorific systems. The 2-stage gas treatment unit is integrated in the lid with a condensate cartridge and Infiltec dust filter with cartridge. This provides optimum protection for the instrument against humidity and dirt particles. Further equipment includes: Data memory for 100 measurement protocols, choice of mains power operation or rechargeable battery for up to 36 hours operation with intelligent rapid charging system.

Scope of delivery

MAXILYZER NG with 2, 3, 4, 5 or max. 6 sensors. Instrument case with charger, ambient air sensor, flue gas combination probe, operating instructions and accessories.
TÜV By RgG 247

Technical Specifications

Flue gas temperature

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: ±130 mbar (max. ±150 mbar)
Resolution: 0.01 hPa

O₂ measurement (electro-chemical measuring cell)

Measuring range: 0/21 Vol.-%
Resolution: 0.1 Vol.-%

CO₂ (calculated from O₂)

Measuring range: 0/CO₂ max.
Resolution: 0.1 Vol.-%

CO measurement

(electro-chemical measuring cell, with H₂ compensation)
Measuring range: 0/4,000 ppm
Resolution: 1 ppm

Options

CO measurement, solid fuels

(without H₂ compensation)
Measuring range: 0/2.0 Vol.-%
(20,000 ppm)
Resolution: 0.01 Vol.-%

NO measurement

(electro-chemical measuring cell)
Measuring range: 0/2,000 ppm
Resolution: 1 ppm

SO₂ measurement

(electro-chemical measuring cell)
Measuring range: 0/2,000 ppm
Resolution: 1 ppm

Weight

approx. 3 kg

Dimensions W x H x D

275 x 115 x 250 mm

Gas treatment for MAXILYZER NG

Maintenance advice

Your attention is drawn to the patented „water stop“ of the gas treatment system. In order to provide maximum protection for the MAXILYZER NG measuring system the following parts should be exchanged in good time:

09 Teflon membrane

07 Infiltec fine filter

We recommend that you purchase a stock of these spares together with the instrument.



Integrated Gas treatment

Operating and connection elements



Your specialist distributor

Type	Part no.
MAXILYZER NG O ₂ , CO _{H2}	69193
MAXILYZER NG O ₂ , CO _{H2} , NO	69194
MAXILYZER NG O ₂ , CO _{H2} , CO _{20,000} , NO	69195