

## Flue gas analysis computer

## MAXILYZER NG PLUS



### Technical specifications

#### Measuring ranges

Flue gas temperature/  
differential temperature 0 °C / +1,000 °C

Outside wall temperature/  
air temperature -20 °C / +200 °C

Draft +/- 150 mbar

Differential pressure +/- 150 mbar

O<sub>2</sub> 0/20.9 % by volume

CO<sub>2</sub> determination,  
display range 0/CO<sub>2</sub> max.

CO<sub>H2</sub> 0/4,000 ppm

CO, solid fuels 0/40,000 ppm

NO 0/5,000 ppm

SO<sub>2</sub> 0/5,000 ppm



Weight (housing) 6.9 kg

Dimensions (W x H x D) 410 x 175 x 330 mm

Display LCD

Degree of protection IP 65 (when closed)

Connection draft Ø 7 mm

Connection gas Ø 8 mm

Power supply  
Gas analysis Battery or mains  
Cooler and heated line Mains

Hours of operation 24 hours







Memory Max. 100 memory blocks

Interfaces USB, Bluetooth

Approvals BImSchV, KÜO (TÜV ByRgG 247), DIN EN 50379-2

Warranty 12 months



-  Separate measurement programs for flue gas analysis, pressure and temperature
-  Gas treatment for reproducible gas analyses
-  Can be used with oil, gas and pellets fired systems as well as solid-fuel systems
-  Sensor equipment with up to six measuring cells possible
-  Peltier gas cooler reliably prevents condensate and dirt particles from getting into the device
-  Battery operation (24 hours) or mains operation, ideal for long-term measurements

**Application** Flue gas analysis computer for measuring small and medium-sized oil, gas and pellets fired heating systems according to the German BImSchV guidelines and for CO concentration safety checks at gas fired systems. Ideal for servicing solid-fuel systems (for example, wood fired systems with temporary CO peaks up to 40,000 ppm) or bivalent, modulating combined heating and power plants. For high-precision gas analysis during long-term measurements or at changing sites subject to pollution and condensate in the flue gas exhaust system. Suitable for measurements of highly water-soluble gases (such as NO<sub>2</sub> and SO<sub>2</sub>) due to filtering and cooling of measured gas.

**Description** MAXILYZER NG Plus is a flue gas analysis system with integrated thermal printer and a gas treatment unit in a dust- and splash water-protected plastic housing. A graphical LCD display allows you to display five or ten measured values. Hold and zoom functions, core search, units conversion and graphical representation of the measured values as per combustion chart ensure maximum ease of use. With sensor status diagnostics, CO limit value monitoring with sensor protection function MAXILYZER NG Plus can be equipped with up to six measuring cells (O<sub>2</sub>, CO<sub>4</sub>, CO<sub>40,000</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>). Calculated parameters: CO undiluted (air free), lambda, CO<sub>2</sub>, eta efficiency, flue gas losses qA. The gas to be measured is cooled by means of a Peltier cooler and filtered by means of a fine filter. A Bluetooth interface is optionally available for communication with, for example, a PC or a netbook.

Scope of delivery	Description	Part no.
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , NO, draft, differential pressure, ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69239</b>
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , NO, SO <sub>2</sub> , draft, differential pressure, ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69240</b>
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , NO, CO <sub>40,000</sub> , NO <sub>2</sub> , draft, differential pressure, ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69241</b>
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , NO, SO <sub>2</sub> , CO <sub>40,000</sub> , NO <sub>2</sub> , draft, differential pressure, ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69242</b>
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , CO <sub>40,000</sub> , ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69243</b>
MAXILYZER NG Plus	O <sub>2</sub> , CO <sub>4</sub> , NO, CO <sub>40,000</sub> , ambient air sensor, flue gas combination probe, power supply unit, probe case	<b>69244</b>
<b>Options/accessories</b>		
CO measuring cell	CO-40,000 ppm with solid-fuel program	<b>69535</b>
SO measuring cell	SO <sub>2</sub> -2,000 ppm	<b>69537</b>
Probe	300 mm, with accessories, not heated	<b>69485</b>
Gas removal probe PSP 4000	Portable, heated	68900
Heated line	5 m	69476
Heated line	3 m	69478
Bluetooth		<b>69236</b>