

FLUE GAS ANALYSER

MAXILYZER NG Plus



- + Separate measurement programs for flue gas analysis, pressure and temperature
- + Gas treatment for reproducible gas analyses
- + Sensor equipment with a combination of up to 6 measuring cells (O_2 , CO_{H_2} , $CO_{20,000}$, NO , NO_2 , SO_2)
- + Sensor status diagnostics and automatic CO limit value monitoring with sensor protection function
- + Graphical LC display with indication of five or ten measured values
- + Hold and zoom functions, core search, conversion of units and graphical representation of the measured values as per combustion chart
- + Peltier cooler reliably prevents condensate in the gas analyser
- + With integrated thermal printer

Application

For universal use at small and medium-sized oil, gas and pellet fired systems according to the 1st German Federal Immission Act as well as for CO concentration safety checks at gas fired systems. Ideally suited for servicing solid fuel systems (e.g. log wood fired systems with short-term CO peaks up to 40,000 ppm) or bivalent, modulating CHP systems. For precise gas analyses during long-term measurements or at different sites subject to pollution and condensate in the flue gas path. Suitable for measurements of highly water-soluble gases (e.g. NO_2 and SO_2) since the measured gas is cooled and filtered.



Technical specifications**Measuring ranges (measured values)****Flue gas temperature/differential temperature**

0/1,000 °C

Air temperature/combustion air temperature

-20/+200 °C

Draft

70 hPa

Differential pressure

150 hPa

O₂

0/21 % by volume

CO_{H2}

0/4,000 ppm

CO

0/40,000 ppm

NO

0/5,000 ppm

NO₂

0/500 ppm

SO₂

0/5,000 ppm

Indication (calculated values)CO₂, CO undiluted (air-free), lambda, eta efficiency, flue gas losses qA**Operating temperature range**

Ambient: +5/+40 °C

Storage: -20/+50 °C

Weight (housing)

7 kg

Dimensions

W x H x D 410 x 180 x 330 mm

Display

LCD, W x H: 60 x 80 mm

Degree of protection

IP 65 (when closed)

Connection draft

Draft/pressure: Ø 7 mm

Gas: Ø 8 mm

Supply voltage

Gas analysis:

NiMH battery (6 V/4,500 mAh) or mains operation (230 V)

Cooler and heated line: Mains operation (230 V)

Hours of operation

24 hours

Data memory

Up to 100 memory blocks

Interfaces

USB, Bluetooth® (option)

Approvals

1. BImSchV, KÜO (TÜV ByRgG 247), EN 50379-2

Scope of deliveryMAXILYZER NG Plus with max. 6 cells (O₂, CO_{H2}, CO_{40,000}, NO, NO₂, SO₂), calibration report, case with charger, ambient air probe, modular probe system (base handle AWS-B with draft connection, interchangeable probe AWS-S with 300 mm probe tube, 5 x Infiltec fine filter, 5 x Teflon membrane), connection kit for differential pressure measurement

1



شرکت آلایرداز محیط

تهران - خیابان آزادی - بین خیابان شادمهر و
بزرگراه یادگار امام - شماره ۴۱۷ - واحد ۵

E-mail: info@apm-co.ir تلفن: ۰۲۱-۶۶۰۲۸۱۷۲-۵
Website: www.apm-co.ir فکس: ۰۲۱-۶۶۰۲۰۵۰۹

i

See chapter 6 for options and accessories. Please enquire for other device versions.

DG: H, PG: 4	Part no.	Price €
MAXILYZER NG Plus set 1 O₂, CO/H₂, NO, FZ-Diff O ₂ , CO _{H2} , NO, draft, differential pressure	P04303210	
MAXILYZER NG Plus set 2 O₂, CO/H₂, NO, SO₂, FZ-Diff O ₂ , CO _{H2} , NO, SO ₂ , draft, differential pressure	P04304210	
MAXILYZER NG Plus set 3 O₂, CO/H₂, CO_{4%}, NO, NO₂, FZ-Diff O ₂ , CO _{H2} , CO _{40,000} , NO, NO ₂ , draft, differential pressure	P04309210	
MAXILYZER NG Plus set 4 O₂, CO/H₂, CO_{4%}, NO, NO₂, SO₂, FZ-Diff O ₂ , CO _{H2} , CO _{40,000} , NO, NO ₂ , SO ₂ , draft, differential pressure	P04306210	
MAXILYZER NG Plus set 5 O₂, CO/H₂, CO_{4%}, FZ-Diff O ₂ , CO _{H2} , CO _{40,000} , draft, differential pressure	P04312210	
MAXILYZER NG Plus set 6 O₂, CO/H₂, CO_{4%}, NO, FZ-Diff O ₂ , CO _{H2} , CO _{40,000} , NO, draft, differential pressure	P04308210	