

### 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<sub>2</sub>, CO<sub>H2</sub>, CO<sub>20,000</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>)
- 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.  $\mathrm{NO}_2$  and  $\mathrm{SO}_2$ ) since the measured gas is cooled and filtered.





## specifications

#### **Technical** 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

0/21 % by volume

COH2

0/4,000 ppm

CO

0/40,000 ppm

NO

0/5,000 ppm

NO,

0/500 ppm

SO,

0/5,000 ppm

Indication (calculated values)

CO<sub>2</sub>, 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**

Flue gas measurement

W x H x D 410 x 180 x 330 mm

LCD, W x H: 60 x 80 mm

#### Degree of protection

IP 65 (when closed)

**Connection draft** 

Draft/pressure: Ø7 mm Gas: Ø8 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

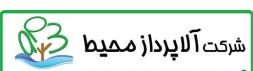
USB, Bluetooth® (option)

#### **Approvals**

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

#### Scope of delivery

MAXILYZER NG Plus with max. 6 cells (O2, COH2, CO<sub>40,000</sub>, NO, NO<sub>2</sub>, SO<sub>2</sub>), 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



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

تلفن: ۵-۶۶۰۲۸۱۷۲ E-mail: info@apm-co.ir فكس: ۶۶۰۲۰۵۰۹ -۲۱ Website: www.apm-co.ir

DG: H, PG: 4	Part no.	Price €
<b>MAXILYZER NG Plus set 1 O<sub>2</sub>, CO/H<sub>2</sub>, NO, FZ-Diff</b> O <sub>2</sub> , CO <sub>H2</sub> , NO, draft, differential pressure	P04303210	
<b>MAXILYZER NG Plus set 2 O<sub>2</sub>, CO/H<sub>2</sub>, NO, SO<sub>2</sub>, FZ-Diff</b> O <sub>2</sub> , CO <sub>H2</sub> , NO, SO <sub>2</sub> , draft, differential pressure	P04304210	
MAXILYZER NG Plus set 3 O <sub>2</sub> , CO/H <sub>2</sub> , CO <sub>4%</sub> , NO, NO <sub>2</sub> , FZ-Diff O <sub>2</sub> , CO <sub>H2</sub> , CO <sub>40,000</sub> , NO, NO <sub>2</sub> , draft, differential pressure	P04309210	
MAXILYZER NG Plus set 4 O <sub>2</sub> , CO/H <sub>2</sub> , CO <sub>4%</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub> , FZ-Diff O <sub>2</sub> , CO <sub>H2</sub> , CO <sub>40,000</sub> , NO, NO <sub>2</sub> , SO <sub>2</sub> , draft, differential pressure	P04306210	
MAXILYZER NG Plus set 5 O <sub>2</sub> , CO/H <sub>2</sub> , CO <sub>4%</sub> , FZ-Diff O <sub>2</sub> , CO <sub>H2</sub> , CO <sub>40,000</sub> , draft, differential pressure	P04312210	
<b>MAXILYZER NG Plus set 6 O<sub>2</sub>, CO/H<sub>2</sub>, CO<sub>4%</sub>, NO, FZ-Diff</b> O <sub>2</sub> , CO <sub>H2</sub> , CO <sub>40,000</sub> , NO, draft, differential pressure	P04308210	



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

