



## Flue gas analyser EUROLYZER® S1 set Pro

Part no. P00141

Flue gas analyser

### benefits

- Robust professional set in high-quality hardtop case
- Device with pressure connection for pressure and tightness test up to 180 mbar
- Modular probe system with large condensate filter cartridge for flexible use and even longer protection
- large high-resolution display for optimum readability and intuitive menu navigation, protected by scratch-resistant glass
- Pioneering "dual-mode concept": Intuitive one-hand operation via scroll wheel or touch display – sensitive even with work gloves
- Ready for all typical HVAC measuring tasks thanks to Bluetooth® connection to more than 35 sensor modules and sets of the CAPBs® system
- TÜV-tested measurement as per 1st and 44th BImSchV (German Federal Immission Act)
- NO sensor can be retrofitted
- H<sub>2</sub>-compensated robust CO sensor (measuring range up to 10,000 ppm)
- configurable macros for repetitive tasks
- Multi-memory: Combine up to six different measurements into a single measurement report (for example, full load measurement/partial load measurement or flue gas measurement and flow pressure measurement)
- Data transmission via Bluetooth® or QR code to the AFRISO app EuroSoft® connect for on-site documentation
- 5 years warranty on O<sub>2</sub> sensor
- 7 years full warranty in connection with a service contract



### Application

Designed for flue gas measurements at oil, gas and pellets fired systems as well as for tightness tests at gas lines, for checking the connection pressure/flow pressure and the pressure loss. TÜV-tested measurements as per 1st and 44th BImSchV (German Federal Immission Act) can be performed reliably and intuitively. Fast and easy Bluetooth® connection to more than 35 sensor modules and sets of the AFRISO CAPBs® make EUROLYZER® S1 the central controller for all HVAC tasks.

## Technical Specifications

**Flue gas temperature/differential temperature**  
0/1150 °C

**Air temperature/combustion air temperature**  
-20/+200 °C

**Draft**  
-70/+70 hPa

**Differential pressure**  
-150/+150 hPa

**O<sub>2</sub> measurement**  
0/21 Vol.-%

**CO<sub>H2</sub> measurement**  
nominal: 0/4000 ppm  
maximum: 0/10000 ppm

**Indication (calculated values)**  
CO<sub>2</sub>, CO<sub>undiluted (air-free)</sub>, Lambda, Dew point, Eta efficiency, Flue gas losses q<sub>A</sub>, CO mg/m<sup>3</sup> (natural gas), CO mg/kWh (fuel oil)

**Operating temperature range**  
Ambient: 0/40 °C  
Storage: -20/+50 °C

**weight (measuring instrument)**  
500 g

**Dimensions**  
W x H x D: 80 x 218 x 44 mm

**Degree of protection**  
IP 40 (EN 60529)

**Display**  
high-resolution display 4.3 "

## Connections

Draft: Ø 7 mm  
pressure: Ø 8 mm  
Gas: Ø 8 mm  
temperature: 2 x socket type K

## Supply voltage

lithium-ion battery (3.6 V/5000 mAh)  
Power supply unit (USB-C)  
Battery or mains

**Hours of operation (eco mode)**  
12 hours

## Data memory

internal memory, 10000 Messungen

## Interfaces

Infrared,  
Bluetooth®,  
QR code generator,  
USB-C

## Approvals

TÜV-tested as per 1st and 44th BImSchV,  
DIN EN 50379-1/2

## Scope of delivery

- Flue gas analyser EUROLYZER® S1 (O<sub>2</sub>, CO/H<sub>2</sub>+, draft, pressure)
- with integrated magnet in housing
- Calibration report
- Quick charge power supply unit NTE 5 SF
- charging cable USB-A to USB-C (1 m)
- 5 x Infiltec fine filter
- 5 x Teflon membrane
- Condensate filter cartridge KFP
- Base handle AWS-B for interchangeable probes
- Interchangeable probe AWS-S 180 mm
- ambient air probe TFB-UL 50-1
- Hose for gas connection pressure
- Hard top case Pro blue

## Versions

Part no.


Flue gas analyser  
EUROLYZER® S1 set Pro

O<sub>2</sub>, CO/H<sub>2</sub>+, draft, pressure



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 in-stock items

 Non-stock items