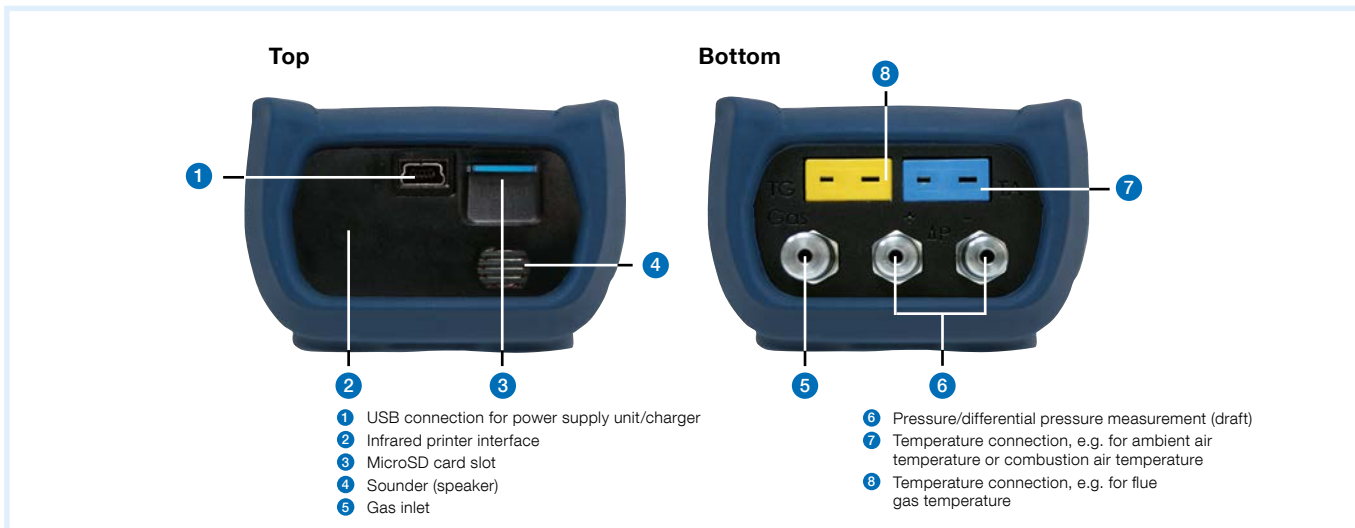# FLUE GAS ANALYSER

EUROLYZER STx

+ All-in-one: Flue gas analysis, (differential) pressure measurement, (differential) temperature measurement, Pitot measurement

+ Ready for the future: Pairing with the AFRISO CAPBs® measuring units

+ ECO sensor: Lead-free O_2 sensor with long service life and optimised calibration phase, short response time, resistant to biogenous fuels

+ H_2-compensated CO cell (measuring range up to 10,000 ppm)

+ CO ambient measurement

+ NO cell can be retrofitted

+ qA mean value measurement as per 1st German Federal Immission Act BImSchV

+ Measurement logs as QR code, database memory, customer data management

+ CAPBs® enabled

+ 5 years warranty on O_2 measuring cell

+ 7 years full warranty in connection with a service contract

EuroSoft mobile app

ANDROID APP ON
Google play

Download on the
App Store

Application Universal application for measuring small and medium-sized oil, gas and pellets fired heating systems according to the 1st German Federal Immission Act (qA mean value measurement) and for CO concentration safety checks at gas fired systems.
EUROLYZER STx is the analyser of choice for measurements of bivalent, modulating CHP systems. Ideal for measurements at heating systems with a high proportion of biofuels.

AFRISO

Top

Bottom

1. USB connection for power supply unit/charger
2. Infrared printer interface
3. MicroSD card slot
4. Sounder (speaker)
5. Gas inlet
6. Pressure/differential pressure measurement (draft)
7. Temperature connection, e.g. for ambient air temperature or combustion air temperature
8. Temperature connection, e.g. for flue gas temperature

Technical specifications

Measuring ranges (measured values)

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

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

Draft
50 hPa

Differential pressure
150 hPa

O_2
0/21 % by volume

CO_{H2}
0/9,999 ppm (max.)

NO
0/2,000 ppm

Indication (calculated values)
CO_2, CO undiluted (air-free), lambda, dew point, eta efficiency, flue gas losses qA,
CO mg/m^3 (natural gas), CO mg/kWh (fuel oil)

Operating temperature range
Ambient: 5/40 °C
Storage: -20/+50 °C

Weight (housing)
Approx. 500 g

Dimensions
W x H x D 65 x 215 x 45 mm

Display
TFT colour display
W x H: 45 x 60 mm

Connections
Draft/pressure: Ø 7 mm
Gas: Ø 8 mm
Temperature: Type K

Supply voltage
Lithium-ion battery (3.6 V/2,300 mAh)
or power supply unit (mini USB)

Hours of operation (Eco mode)
14 hours

Data memory
microSD card (max. 16 GB)

Interfaces
Infrared, Bluetooth® Smart,
QR code generator, microSD card slot

Approvals
As per BlmSchV, KÜO (TÜV ByRgG 190),
EN 50379-2, EN 15378

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Please enquire for other device versions.
See chapter 7 for options and accessories.

EUROLYZER STx Sets

DG: H, PG: 4

	O_2, CO_{H2} (differential) temperature	Draft/pressure	Differential pressure, connection kit ASS-DP	NO	Calibration report, protective sleeve with magnets for device, power supply unit NTE 5 USB-A, charging cable USB-A to mini USB, 5 x Infiltec fine filter, 5 x Teflon membrane, covers for measurement holes (10 pieces), case	microSD card with USB 2.0 SD card reader	Base handle AWS-B, 2.4 m, draft, for interchangeable probes with KFP	Interchangeable probe AWS-S, 300 mm	Ambient air probe TFB-UL 50-1	Bluetooth® Smart	Part no.	Price €
EUROLYZER STx Set 1	•	•	•		•		•	•	•	•	P04629210	
EUROLYZER STx Set 2	•	•	•	•	•		•	•	•	•	P04630210	