NEW

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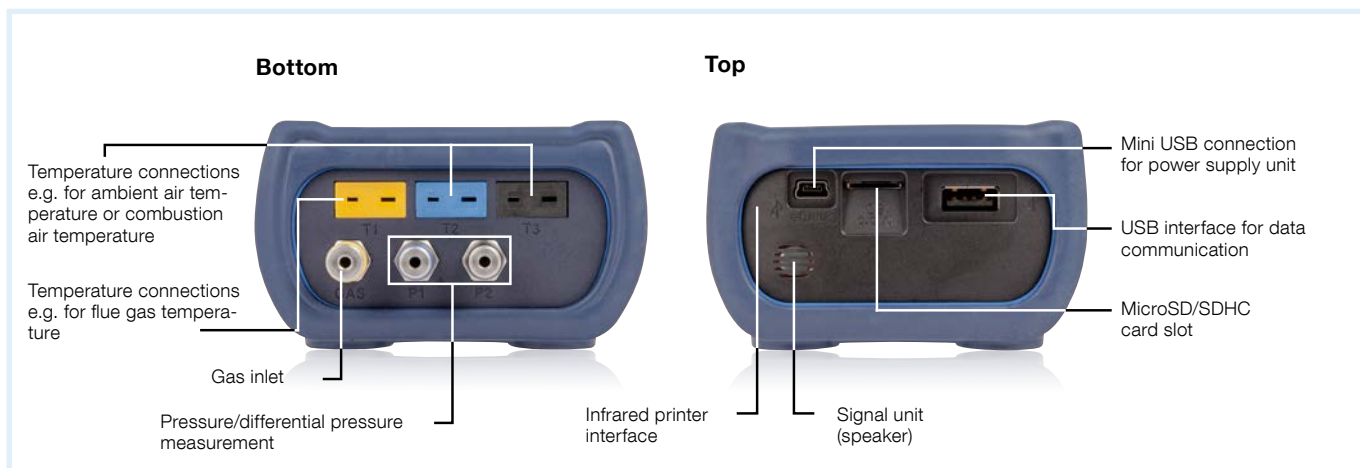
- **+** All-in-one: Flue gas analysis, (differential) pressure measurement, (differential) temperature measurement, dust measurement, Pitot measurement

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

- **+** Sensor equipment with a combination of up to 6 measuring cells: O_2, CO_{H2}, NO, SO_2, NO_2 and $CO_{20,000}$

- **+** CO room air monitoring

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

- **+** Measuring is possible with two active display levels

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

- **+** 7 years full warranty in connection with a service contract

TÜV SÜD
EN 50379

Bluetooth® SMART

EuroSoft mobile app

ANDROID APP ON Google play

Available on the App Store

reddot award 2014 winner

Application   Flue gas analyser for measuring small and medium-sized oil, gas and pellets fired heating systems according to the German Federal Immission Act and for CO concentration safety checks at gas fired systems. Ideal for servicing solid fuel systems (for example, coal or wood fired systems with temporary CO peaks) or bivalent, modulating combined heating and power plants. If used within the framework of dust measurements, MULTILYZER STe determines the flue gas value and serves as the central controller for the dust measuring instrument STM 225.

Picture shows original size

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Bottom

Temperature connections e.g. for ambient air temperature or combustion air temperature

Temperature connections e.g. for flue gas temperature

Gas inlet

Pressure/differential pressure measurement

Top

Infrared printer interface

Signal unit (speaker)

Mini USB connection for power supply unit

USB interface for data communication

MicroSD/SDHC card slot

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

O_2 measurement
0/21 % by volume

CO_{H2} measurement
0/4,000 ppm

CO measurement
0/20,000 ppm

CO_2 measurement (IR cell)
0/20,000 ppm

NO measurement
0/2,000 ppm

NO_2 measurement
0/200 ppm

SO_2 measurement
0/2,000 ppm

Indication (calculated values)
CO_2, CO undiluted (air-free), lambda, eta efficiency, flue gas losses qA, dew point, temperature difference

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

Weight
Approx. 685 g

Dimensions
W x H x D 90 x 220 x 53 mm

Display
TFT colour display 3.5"
W x H: 240 x 320 mm

Connections
Draft/pressure: Ø 7 mm
Gas: Ø 8 mm

Supply voltage
Lithium-ion battery (3.6 V/2,900 mAh) or power supply unit (mini USB)

Hours of operation
Max. 12 hours

Data memory
MicroSD/SDHC card (max. 32 GB)

Data logger
1–999 seconds, interval freely selectable

Interfaces
USB, infrared, Bluetooth® Smart,
QR code generator, MicroSD/SDHC card slot

Approvals
1. BImSchV, KÜO (TÜV ByRgG 301), EN 50379-2

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

MULTILYZER STe Sets

DG: H, PG: 4

	O_2, CO_{H2}	NO	$CO_{20,000}$	Draft, differential pressure	Calibration report, condensate filter cartridge KFP, connection kit for differential pressure measurement, protective sleeve with magnets for device, power supply unit, Infiltec fine filter (5 pieces), Teflon membrane (5 pieces), case	MicroSD/SDHC card with USB 2.0 SD card reader. Data cable USB-A / mini USB	Modular probe system with draft connection	Ambient air probe TFB-UL-1	Bluetooth® Smart interface	Module particulate matter measurement	Part no.	Price €
MULTILYZER STe set 1	•		•		•	•	•	•	•		P04529210	
MULTILYZER STe set 2	•	•	•		•	•	•	•	•		P04530210	
MULTILYZER STe set 3	•	•	•		•	•	•	•	•		P04541210	
MULTILYZER STe set 4	•	•	•	•	•	•	•	•	•		P04548210	
MULTILYZER STe set 5	•	•	•	•	•	•	•	•	•	•	P04541217	

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