

FLUE GAS ANALYSER

MULTILYZER STx



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Picture shows original size

- + All-in-one: Flue gas analysis, (differential) pressure measurement, (differential) temperature measurement, dust measurement, Pitot measurement (in conjunction with STM 225)
- + ECO sensor: Lead-free O₂ sensor with long service life and optimised calibration phase, short response time, resistant to biogenous fuels
- + Can be equipped with a combination of up to six sensors: O₂, CO/H₂, NO, SO₂, NO₂ und CO_{high}
- + CO room air monitoring
- + qA mean value measurement as per 1st German Federal Immission Act BlmSchV
- + Quick-access function keys for direct data access
- + Measurement logs as QR code, database memory, customer data management, data logger
- + 5 years warranty on O₂, CO/H₂ sensors
- + 7 years full warranty in conjunction with a service contract
- + CAPBs® enabled

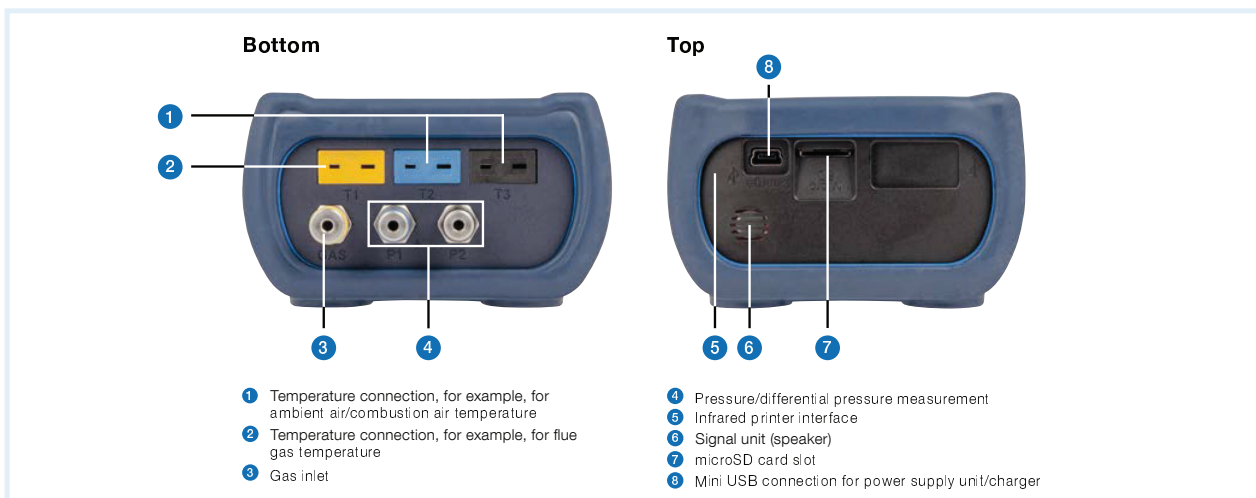


Bluetooth

EuroSoft® connect
app

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 STx determines the flue gas value and serves as the central controller for the dust measuring instrument STM 225.





Technical specifications

Measuring ranges (measured values)

Flue gas temperature/differential temperature
0/1,150 °C

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

Draft
±70 hPa

Differential pressure
±150 hPa

Pitot
0.5/70 m/s

O₂ measurement
0/21 % by volume

CO/H₂ measurement
0/10,000 ppm

CO measurement
0/40,000 ppm

NO measurement
0/5,000 ppm

NO₂ measurement
0/500 ppm

SO₂ measurement
0/5,000 ppm

Indication (calculated values)

CO₂, CO undiluted (air-free), lambda, Eta efficiency, flue gas losses qA, dew point, temperature difference, CO mg/m³ (natural gas), CO mg/kWh (fuel oil)

Operating temperature range

Operation: 0/40 °C
Storage: -20/+50 °C

Weight

Approx. 625 – 685 g
(depends on equipment with sensors)

Degree of protection

IP 42 (EN 60529)

Display

TFT colour display 3.5"
W x H: 53 x 71 mm (240 x 320 pixels)

Connections

Draft/pressure: Ø 7 mm
Gas: Ø 8 mm
Temperature: Socket type K

Supply voltage

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

Hours of operation (eco mode)

12 hours

Data memory

microSD card, max. 16 GB

Data logger

1–999 seconds, interval freely selectable

Interfaces

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

Approvals

VDI 4206 (sheet 1), DIN EN 50379-2, NO_(x): 44. BlmSchV, DIN EN 15378

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See page 56 and following for suitable accessories

MULTILYZER STx Sets

DG: B, PG: 4

	O ₂ , CO/H ₂	NO	CO _{40,000}	Draft, differential pressure, connection kit ASS-DP	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, case	microSD card with USB 2.0 SD card reader	Base handle AWS-B, 2.4 m, draft, for interchangeable probes with condensate filter cartridge KFP, sampling probe 300 mm	Ambient air probe TFB-JUL 50-1	Bluetooth®	Module particulate matter measurement	Part no.
MULTILYZER STx set 1	•			•	•	•	•	•	•		P04729210
MULTILYZER STx set 2	•	•		•	•	•	•	•	•		P04730210
MULTILYZER STx set 3	•		•	•	•	•	•	•	•		P04741210
MULTILYZER STx set 4	•	•	•	•	•	•	•	•	•		P04748210
MULTILYZER STx set 5	•		•	•	•	•	•	•	•	•	P04741217