



Flue gas analyser MULTILYZER STx



Benefits

- 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 BImSchV
- Quick-access function keys for direct data access
- Measurement logs as QR code, database memory, customer data management
- 5 years warranty on O₂, CO/H₂ sensors
- 7 years full warranty in connection with a service contract
- CAPBs®-enabled



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.

Versions

	Sensors / functions	Part no.
MULTILYZER STx Set 1	O ₂ , CO _{H2} , (differential) temperature, draft, differential pressure	P04729210
MULTILYZER STx Set 2	O ₂ , CO _{H2} , NO, (differential) temperature, draft, differential pressure	P04730210
MULTILYZER STx Set 3	O ₂ , CO _{H2} , CO _{40,000} , (differential) temperature, draft, differential pressure	P04741210
MULTILYZER STx Set 4	O ₂ , CO _{H2} , NO, CO _{40,000} , (differential) temperature, draft, differential pressure	P04748210
MULTILYZER STx Set 5	O ₂ , CO _{H2} , CO _{40,000} , (differential) temperature, draft, differential pressure, module particulate matter measurement	P04741217

Blue part no. = in-stock items



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/+70 hPa

Differential pressure
-150/+150 hPa

Barometric pressure
500/1,150 hPa

Pitot
0.5/70 m/s

O₂ measurement
0/21 Vol.-%

CO_{H2} measurement
Maximum: 0/10,000 ppm

CO measurement
0/40,000 ppm

NO measurement
0/5,000 ppm

Additional technical specifications

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
Ambient: 5/40 °C
Storage: -20/+50 °C

Weight (measuring instrument)
631/643 g (depends on equipment with sensors)

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

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

Hours of operation

Max. 12 Stunden

Data memory

MicroSD card, max. 32 GB

Data logger

1-999 seconds, interval freely selectable

Interfaces

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

Approvals

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

Scope of delivery

- Measuring instrument
- Calibration report
- Protective sleeve for device with magnets
- Power supply unit NTE 5 USB-A
- Charging cable USB-A - mini USB
- MicroSD card with USB 2.0 SD card reader
- Base handle AWS-B for interchangeable probes 2.4 m condensate filter cartridge/draft
- Interchangeable probe AWS-S 300 mm
- Condensate filter cartridge KFP
- Infiltec fine filter (5 pieces)
- Teflon membrane (5 pieces)
- Ambient air probe TFB-UL 50-1
- Connection kit ASS-DP
- Case



Detail views

