

Black Edition

STM 225

Dust measuring instrument



Compact. Complete. Free from wear.

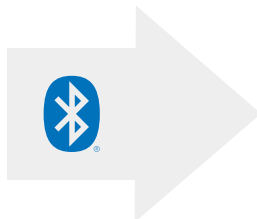
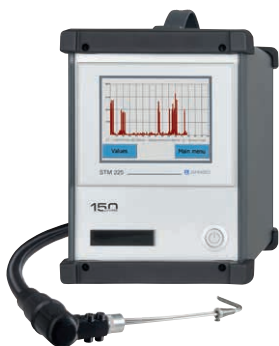
The practical solution for measurements of particulate matter on solid-fuel systems

The increasing number of solid fuel systems such as systems fired with pellets or wood chips along with environmental considerations has brought about new and more stringent emission protection regulations. We provide chimney sweeps, heating system engineers, service technicians and other professionals with the right equipment to meet the challenges involved in measuring the emissions of solid fuel systems.

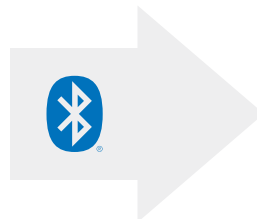
The dust measuring instrument STM 225 Black Edition is specially designed for mobile use on heating systems; it is approved for stages 1 and 2 as per German regulations. The compact, robust measuring system determines the dust concentration by means of a state-of-the-art optical scattered light method. This measuring principle provides for fast and accurate measuring results and also allows for real-time diagnostics – independent of external influences such as shocks and impacts. A great feature considering rough field service conditions.

Description

Robust, compact measuring system for mobile use, consisting of measuring instrument and sampling probe for the flue gas channel of the heating system. The dust measuring instrument determines the particle/dust concentration using a state-of-the-art optical measuring principle without consumables. The particle/dust concentration is then displayed as a mean value (duration: 15 or 30 minutes). The sampling probe can also be used for tightness tests of the entire gas path.



MULTILYZER STx



EuroSoft® connect app



■ Innovations

Now with automatic zero point and sampling system with quick-action coupling

■ Time savings

Short setup time due to fast heat-up and calibration phase

■ Traceability

Permanent indication of the current measured values – ideal for adjustment work

■ Reliable measurement results

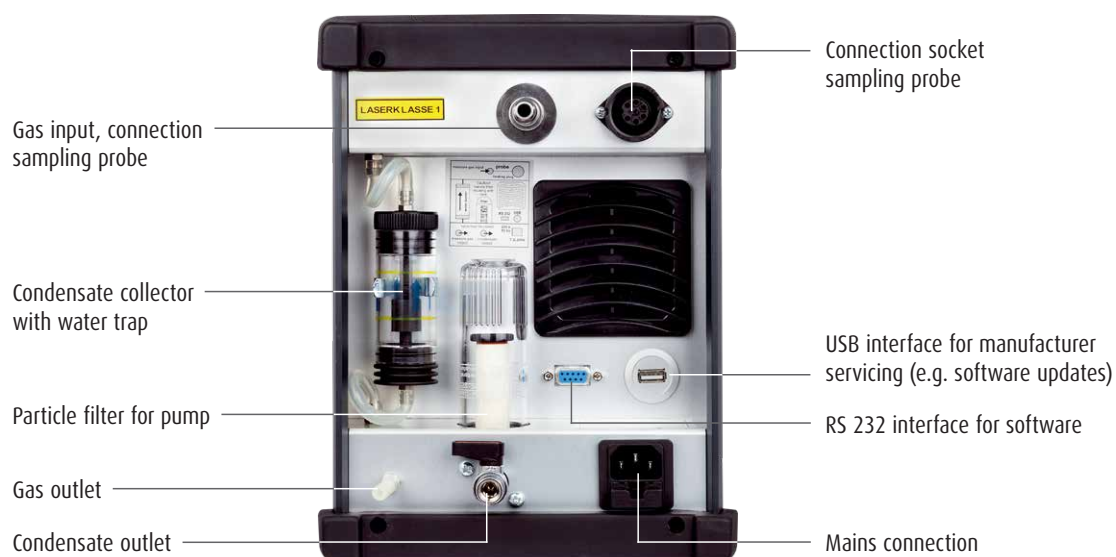
Absolutely reliable measuring results, not influenced by interference (e.g. shocks)

■ Future-proof

Free software updates

■ Proven communication

Excellent connectivity of flue gas analyser MULTILYZER STx via Bluetooth®



General specifications

Dimensions H x W x D	205 x 275 x 350 mm
Weight	approx. 7,5 kg (instrument)
Display type	Colour touch display 5,7" (14,5 cm)
Operating temperature	5 to 40 °C
Storage temperature	-20 to +50 °C
Data interface	Bluetooth®, RS 232, USB

Technical specifications

Measuring range	0 to 300 mg/m ³ dust
Measured values (via MULTILYZER STx)	O ₂ : 0 to 21 Vol. % CO/H ₂ : 0 to 12.000 mg/m ³ CO: 0 to 50.000 mg/m ³
Resolution	0,1 mg/m ³
Power supply	AC 230 V, 50 Hz
Ingress protection rating	IP 40 (EN 60529)

Dust measuring instrument packages

Package 1



STM 225 Black Edition

Scope of delivery

- Dust measuring instrument STM 225 Black Edition Bluetooth® and calibration certificate
- Power supply unit
- Sampling system with heated line and probe ENS-W 300 mm
- Infiltec fine filter (5 pieces)
- Cleaning kit (10 cleaning swabs and cleaning cloths, 2 cleaning brushes)
- Transport bag

Package 2



STM 225 Black Edition + MULTILYZER STx

Scope of delivery

- STM like package 1
- Flue gas analyser MULTILYZER STx O₂, CO/H₂, CO_{40.000}, (diff.) temperature, (diff.) pressure, draft, Bluetooth® and calibration report
- Hose kit ASS-STM with condensate filter cartridge KFP
- Air sensor
- Power supply with USB cable
- microSD card 4 GB incl. USB 2.0 card reader

STM 225 packages

	Part no.
Package 1: STM 225 Black Edition	P00041
Package 2: STM 225 Black Edition + MULTILYZER STx	P00042

Accessories STM 225



Infiltec fine filter

Part no. 511003



Cleaning kit

consisting of
10 cleaning swabs,
10 cleaning cloths,
2 cleaning brushes

Part no. 570210



Sampling probe ENS-G

280 mm, straight

Part no. 570202



The service life and trouble-free use of the STM 225 depends largely on regular and specific cleaning.

Cleaning instructions



Accessories MULTILYZER STx



**Combustion air probe
TFB-VL 100 M**

with magnetic holder

Part no. 500141

**Thermal printer
EUROprinter BLE**

with Bluetooth® and
infrared interface

Part no. 523525



**Thermal printer
EUROprinter**

Infrared interface

Part no. 522394



**Base handle AWS/B for
interchangeable probes**

Compensation line: 2.4 m,
with condensate filter
cartridge KFP, with draft

Part no. 510921



Interchangeable probe AWS-S

300 mm, Ø 8 mm

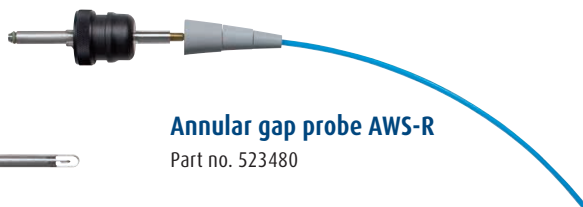
Part no. 523229



Spare parts package gas treatment KFP

5 x infiltec fine filter, 5 x teflon membrane

Part no. 500208



Annular gap probe AWS-R

Part no. 523480



Multi-hole probe AWS-M

length-adjustable 60–170 mm, Ø 8 mm

Part no. 523359



Interchangeable probe AWS-S

180 mm, Ø 8 mm

Part no. 523228



Distributor:

SYSTRONIK

Messtechnologie

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