DUST MEASURING INSTRUMENT

STM 225

+ Optical measuring principle for fast, accurate measurement results and real time diagnostics

+ Reliable measurement results, not influenced by interference (e.g. shocks)

+ Intuitive operation via menu-guided measuring sequences

+ Operation, flue gas analysis and data output via the optional flue gas analysis MULTILYZER STe as central controller

+ Visualisation via 5.7" colour touch display

+ Permanent indication of the current measured value

+ Output of the mass concentration of dust as a 15 minute mean value

+ Qualification-tested also for 30-minutes mean value measurement

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

+ Bluetooth® connectivity for flue gas analyser MULTILYZER NG/STe

+ Compact, robust measuring system

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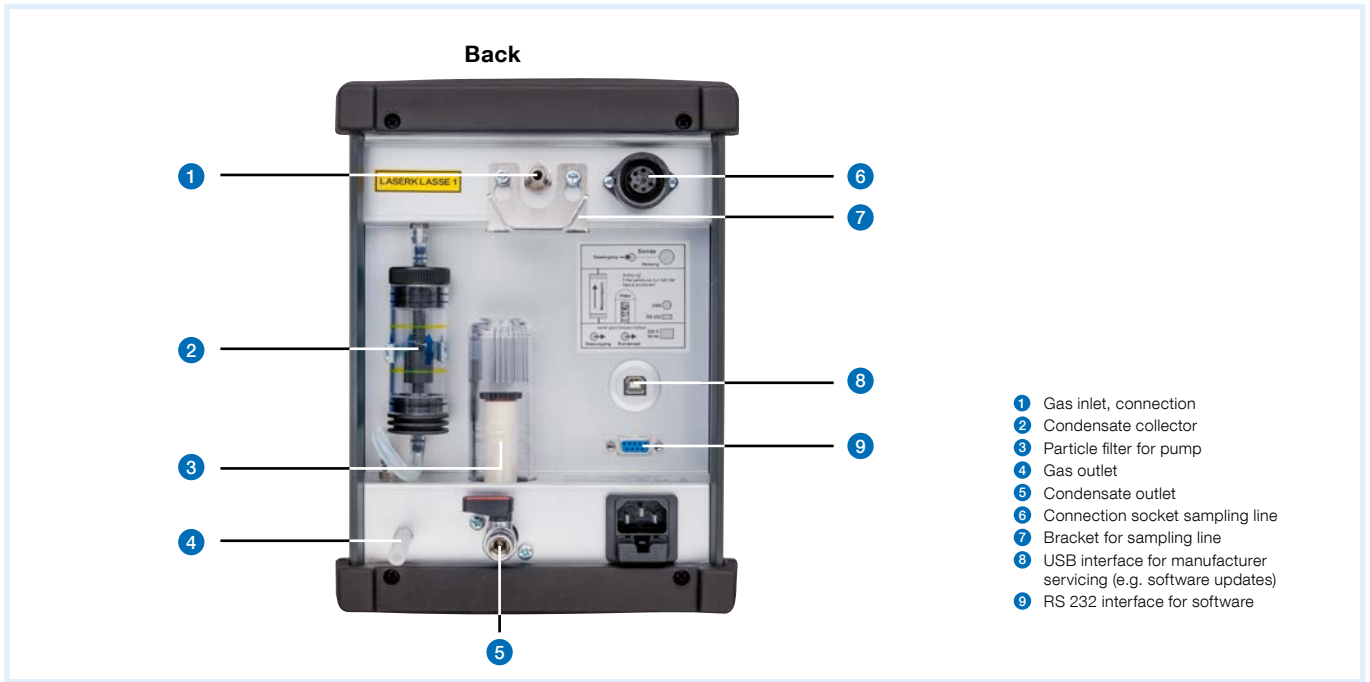Easy operation an menu-guided measurements:

www.einfach-stark.net/stm225

Application Dust measuring instrument specially designed for mobile use at solid-fuel systems such as pellets or wood fired systems for determining the mass concentration of particles/dust and for monitoring the limit values for particulate matter. Approved for stages 1 and 2, including limit value monitoring 150 mg/m^3 for old systems as well as 30-minutes mean value measurement of single room combustion systems. The sampling probe can also be used for tightness tests of the entire gas path. Ideal for chimney sweeps, heating system engineers and service technicians for performing required particulate matter measurements, e.g. as per 1st German Federal Immission Act.

AFRISO

Back

1 Gas inlet, connection
2 Condensate collector
3 Particle filter for pump
4 Gas outlet
5 Condensate outlet
6 Connection socket sampling line
7 Bracket for sampling line
8 USB interface for manufacturer servicing (e.g. software updates)
9 RS 232 interface for software

Technical specifications

Measuring range
0/300 mg/m³ dust

Measured values (via Multilyzer STe)
O_2: 0/21 % by volume
CO_{H2}: 0/4,000 ppm
CO: 0/40,000 ppm

Measuring resolution
0.1 mg/m³

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

Housing
W x H x D: 205 x 275 x 350 mm

Weight
Approx. 7.6 kg

Degree of protection
IP 40

Display
Colour touch display, 5.7" (14.5 cm)

Supply voltage
AC 230 V, 50 Hz

Power
Approx. 230 VA (with heated line)

Interfaces
Bluetooth®, USB, RS 232

Approvals
Certified suitability for stages 1 + 2, including 150 mg/m³, 30-minutes mean value measurement

Transport bag
Light-weight and heavy-duty with carrying strap and handle

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See chapter 7 for options and accessories.

STM 225 Sets

DG: H, PG: 4

STM 225 Sets	STM 225 with calibration report, zero point filter, mains cable, transport bag	Sampling probe with heated line, connection line, condensate filter cartridge KFP, Infiltec fine filter (5 pieces)	MULTILYZER STe with module particulate matter measurement, with calibration report, Bluetooth® Smart interface, protective sleeve with magnets for device, power supply unit, Infiltec fine filter (5 pieces), Teflon membrane (5 pieces)	Ambient air probe TFB-UL-50-1	Cleaning kit: 5 cleaning swabs and cleaning cloths, 1 cleaning brush	Part no.	Price €
Dust measuring instrument STM 225 Set 1	•	•			•	**570200**	
Dust measuring instrument STM 225 Set 3	•	•	•	•	•	**570227**	