

Dust measuring instrument STM 225



Benefits

- 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
- Easy Bluetooth® connection of flue gas analyser MULTILYZER STe
- Compact, robust measuring system

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/m³ 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.

Versions

	DG	PG	Part no.
Dust measuring instrument STM 225	H	4	570200
Dust measuring instrument STM 225 with MULTILYZER STx as central controller	H	4	570228

Blue part no. = in-stock items



Technical specifications

Measuring range

Dust: 0/300 mg/m³

Resolution

0.1 mg/m³

Measured values (via MULTILYZER STx)

O₂ measurement: 0/21 Vol.-%

CO₂ measurement: 0/10,000 ppm

CO measurement: 0/40,000 ppm

Operating temperature range

Ambient: 5/40 °C

Storage: -20/+50 °C

Housing

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

Degree of protection

IP40 (EN 60529)

Display

TFT colour touch display 5.7 "

Supply voltage

AC 230 V, 50 Hz

Nominal power

Without probe: 90 VA

With heated probe: 230 VA

Interfaces

Bluetooth®,

USB,

RS 232

Approvals

Zugelassen für die Brennstoffe 1-8 gemäß 1. BImSchV,

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

Detail views

rear view



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