



## Dust measuring instrument

### 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 analyser MULTILYZER STx as central controller
- withdrawal system with quick-action coupling lock
- 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 zero point phase
- easy connection of flue gas analyser MULTILYZER STx via Bluetooth®
- 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/m<sup>3</sup> for old systems as well as 30-minutes mean value measurement (single-stage 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.

## Technical Specifications

### Measuring range

dust: 0/300 mg/m<sup>3</sup>

### Resolution

0.1 mg/m<sup>3</sup>

### 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

IP 40 (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/m<sup>3</sup>, 30-minutes mean value measurement

Versions

|                                                               |                                                 |  | Part no. |
|---------------------------------------------------------------|-------------------------------------------------|--|----------|
| Dust measuring instrument<br>STM 225<br>- BLACK EDITION Set 1 |                                                 |  | 570200   |
| Dust measuring instrument<br>STM 225<br>- BLACK EDITION Set 2 | with MULTILYZER® STx as cen-<br>tral controller |  | 570228   |

-  in-stock items
-  Non-stock items