

# STM 225

Dust monitor



 **Bluetooth®**



**SYSTRONIK**

Messtechnologie

# Practical and accurate SYSTRONIK



With the amendment the 1.BImSchV arise specifically in the field of residential combustion appliances, such as pellet and wood heating, stricter requirements for the monitoring of limits.

You as a chimney sweep, heating engineers or service technicians are now with introduction of binding particulate matter measurement for solid fuel systems face new challenges.

The new SYSTRONIK dust monitor STM 225 was designed specifically for mobile use on heating systems and is performance approved for Level 1 and 2, including the limit value monitoring 150mg / m<sup>3</sup> for old plants.

The compact, robust measuring device determines the dust mass concentration over a fast, accurate measurement - this measurement method also enables real-time diagnostics and provides absolute independence of the measurements of external disturbances, such as vibrations, shocks or impacts.

A not insignificant feature in the on-site use!

**Safe measurement result**  
Absolutely reliable results without Influence of disturbances (eg. vibration)

**Future security**  
Free software updates

**Clear screen**  
Visualization on 5.7" Color-touch display

**Intuitive**  
Intuitive operation via predefined menu items and measurement procedures

**Time savings**  
Short set-up time by fast warm-up and calibration time

**Fuel diversity**  
1.BImSchV §3 fuels 1-8

**Tried and true communication**  
Simple connection of Flue gas analyzer MULTILYZER NG / STe via Bluetooth



The EEG requires an increasing coverage of Germany's energy consumption from erneuerbaren Implement energy sources to 18% by the year 2020. To the requirements of 1.BImSchV, carried out in 2010 a amendment - it new rules for so-called small combustion plants, such as stoves or wood boilers, which are anchored in a regulation implementing the Federal Pollution Control Act.

Back side



Practical and durable carrying case



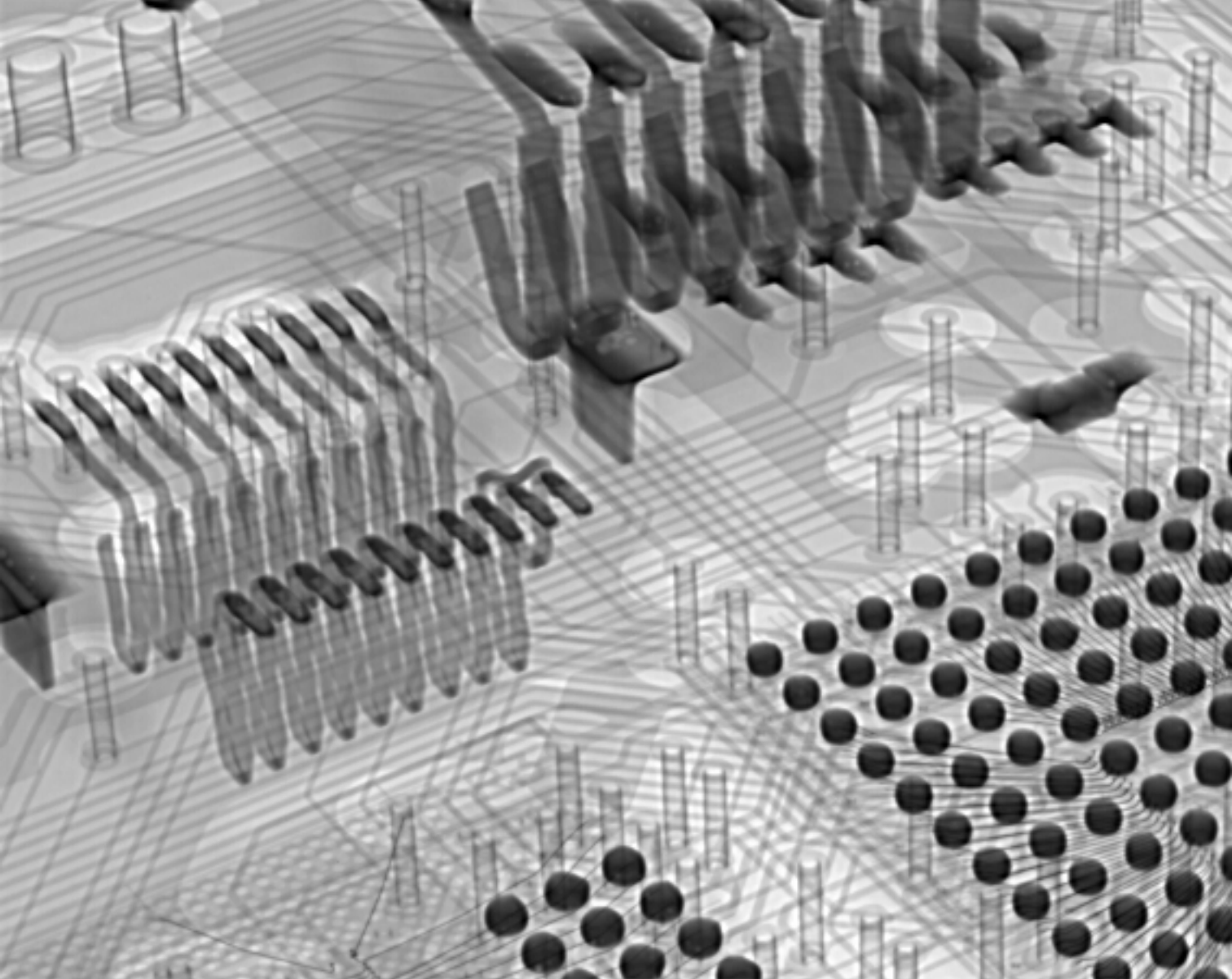
Robust and compact measuring device for mobile use, consisting of the instrument and sampling probe for the exhaust channel of the heating system. The SYSTRONIK dust monitor determines the particle / dust mass concentration using a special optical method, according to the latest technology - readily consumable. The particle / dust mass concentration as the mean (interval: 15 min) output. Moreover, the measurement can be performed as a continuous measurement. The sampling probe may to the for leak testing of the complete gas path be used.

### General specifications

Dimensions (L x W x D)	205 x 275 x 350 mm
Weight	ca. 7.6 kilogram
Display	Color touch-display, 5.7" (14.5 cm)
Material housing	Aluminium
Shock buffer	Plastic
Data communication	Bluetooth
Operating temperature	+5 to +40 °C
Storage temperature	-20 to +50 °C
Ingress Protection Rating	IP 40 (EN 60529)
Mains power supply	240 V
Approvals	Suitability Certification for Level 1 + 2, including 150 mg / m <sup>3</sup>

### Technical specifications

<b>Measurement range</b>	
Particle dust mass	0 to 300 mg/m <sup>3</sup>
Warm-up time	10 min.
Zero point adjustment	10 sec.
Operational readiness	approx. 11 min.
Measuring time	15 min or 30 min
Total measurement time	approx. 26 min.
	O <sub>2</sub> : 0/21 Vol. %
measured values (over MULTILYZER STe/NG)	CO <sub>H2</sub> : 0/4,000 ppm
	CO: 0/20,000 ppm
Measurement resolution	0.1 mg/m <sup>3</sup>



Distributor:

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