

AIRSAFE PM

INDOOR AIR QUALITY MONITOR FOR **DUST EXPOSURE**



A workplace exposure monitor which utilizes the high and low range sensors to detect and track particulate exposure limits and limit violations

FEATURES AND BENEFITS

- PM monitoring for indoor ambient air
- Precise PM1, PM2.5, PM4.25, PM10 and TSP monitoring
- Separate measurement of the E and A dust fractions
- Applicable in process areas and industrial environments
- Able to provide a fast detection of fine process leak
- Wireless communication and user friendly interface with datalogging
- Up to 20 mg / m³ dust concentration
- Compliance with EN 481 and TRGS 900



TECHNICAL SPECIFICATIONS

Sensor	
Particulate matter measurement range	Mass concentration of E Dust Volume concentration of A Dust <ul style="list-style-type: none">PM1PM2.5PM4.25PM10TSP
PM level range	E Dust: 0 ... 20 mg / m ³ A Dust: 0 ... 2 mg / m ³
Data processing	Long term value: Mean value of 8 h Short term value: Mean value of 15 min Instantaneous value: Only sampling time
Tracking of limit violations	Counting of phases with violations of long term limits Counting of recovery phases inbetween them
Humidity compensation	Yes
Dust material density adjustment	Yes
Limits for dust concentration	<ul style="list-style-type: none">Long term dust concentration limit for E DustLong term dust concentration limit for A DustInstantaneous dust concentration limit for E DustInstantaneous dust concentration limit for A Dust
Datalogger	Yes (on AirSafe PM WIFI version)
Communication	2 × 4 ... 20 mA analog output (active) Modbus 485 RTU or TCP/IP WLAN (on AirSafe PM WIFI version)
Relay	1
Voltage	24 V DC
Power	12 W
Current	0.5 A
IP rating	Sensor: IP20; Electronic: IP40
Ambient temperature	-10 ... +50°C
Dimensions	290,1 x 259 x 107 mm (L x W x H)
Weight	Approx. 2.5 kg