

AirMonitor PURE



Measuring device for fine particulate matter with warning of concentrations of fine particulate matter which may be harmful to health – includes time, temperature and humidity display.

This fine particulate matter measuring device has a Sensirion SPS30 Swiss precision sensor. It records and evaluates fine particulate matter concentrations in the PM 2.5 and PM 10 categories in accordance with official requirements of the German Federal Environment Agency. These are some of the most dangerous air-borne pollutants. Fine particulate matter with a diameter of up to 10 microns includes pollen and allergens from plants and flowers. Fine particulate matter with a diameter up to 2.5 microns includes industrial emissions which can penetrate deep into the respiratory tract due to its extremely small size, causing long-term damage to the lungs. The AirMonitor PURE provides a warning via coloured and numerical display as well as a switchable acoustic signal for concentrations of fine particulate matter which may be harmful to health. In addition to this, the display on the device shows the time, temperature and air humidity at all times. The display can be dimmed with the night mode button. Other product features include an attractive appearance and easy operation. Applications areas include residential buildings, offices, kindergartens, schools and public buildings.



PM10

PM2.5

TECHNICAL SPECIFICATIONS

MEASURED VARIABLE	Concentration of particulate matter PM2.5 Concentration of particulate matter PM10 Humidity Ambient temperature
FEATURES	Fine particulate matter alarm Fine particulate matter indicator Real-time clock
MEASURING RANGE AMBIENT TEMPERATURE	-9,9°C ... 50°C
ACCURACY AMBIENT TEMPERATURE	± 1°C
MEASURING RANGE HUMIDITY (RELATIVE)	1% ... 99%
ACCURACY (ABSOLUTE) HUMIDITY (RELATIVE)	± 3% (30% ... 70%) ± 5% (0% ... 30%, 70% ... 100%)
FINE PARTICULATE MATTER MEASURING RANGE	PM2.5: 0 ... 999 µg/m³ PM10: 0 ... 999 µg/m³ Fine particulate matter sensitivity: PM2.5: 300 nm ... 2.5 µm PM10: 300 nm ... 10 µm
FINE PARTICULATE MATTER ACCURACY	PM2.5: 0 ... 100 µg/m³ (± 10 µg/m³), 100 ... 999 µg/m³ (± 10%) PM10: 0 ... 100 µg/m³ (± 25 µg/m³), 100 ... 999 µg/m³ (± 25%)
SENSOR TYPE	Particulate Matter
POWER SOURCE	Power adapter 5VDC / 1A
UNIT OF MEASUREMENT	% rH (relative humidity) °C (Celsius) µg/m³
DIMENSIONS (W X H X D)	90 mm x 91 mm x 33 mm
WEIGHT*	152 g (without power supply)

