AQ Guard Smart 1200

AQ Guard Smart 1200 is a compact and cloud-enabled air quality measurement device. The system is designed for the requirements of outdoor air measurement in the smart city environment to improve granularity while maintaining high comparability to official measurements for environmental monitoring and health protection.

The simultaneous measurement of pollutant gases makes the device perfect for measuring in environmentally sensitive areas, especially where they are already common or required by law.

BENEFITS

- Quick and easy installation

- Long-term stability (24/7) and low maintenance
- Flexibility in communication and data transmission
- Reliable measurements (near-reference standard for particles)
- Simultaneous measurement of PM_1, $PM_{2.5}$, PM_4, PM_{10}, TSP, C_N

- Additionally SO_2, CO, NO_2, O_3, CO_2
- Versatile application possibilities even in demanding environments
- Suitable for high dust concentrations
- Access to data in real time and with high temporal resolution

FEATURES

- On-site calibration (size resolution and volume flow)
- Communication via GPRS / 3G / 4G / Ethernet / Wi-Fi, optional: LoRaWAN
- Technology based on the certified Fidas® 200 series
- Expandable with third-party devices, metrology and sensors
- Data visualization via Palas Cloud (MyAtmosphere-ready)
- Secondary measurement data acquisition

APPLICATIONS

- Städtische Luftqualitätsüberwachung
- Smart-City-Projekte
- Tagebau und Deponien

- Entstehungs- und Ausbreitungs-Studien
- Baustellen- und Sanierungsgebiete
- Immisionsüberwachung von Industrieanlagen
- Messung von Staubemissionen im Straßen- und Schienenverkehr sowie an Häfen
- Risikogebiete (natürlich und anthropogen)

https://www.palas.de/product/aq-guard-smart1200