

# AQ GUARD SMART 2000



Air quality analyzer for monitoring nanoparticles (UFP number concentration, LDSA-“Lung-deposited surface area”) for demanding environmental conditions

## BENEFITS

- Simple and accurate monitoring of particle number concentration of UFP
- Affordable and low maintenance, no working fluid
- Flexible use indoors and outdoors
- High temporal resolution
- Versatile data transmission options

## APPLICATIONS

- UFP concentrations in and around airports and sea-ports
- Formation and dispersion studies
- Immission monitoring of industrial plants
- Urban air quality monitoring
- Supplementary measurement of UFP concentrations at traffic-rich sites

## DATASHEET

Measuring principle	Diffusion charging
Reported data	Particle concentration $C_N$ , LDSA (Lung Deposited Surface Area)
Measurement range (number $C_N$ )	> 1,000 particles/cm <sup>3</sup>
Measurement range (size)	starting from 0.010 $\mu\text{m}$
Weight	Approx. 6 kg
Installation conditions	0 – +40 °C
Interfaces	USB, Ethernet (LAN), Wi-Fi, 3G/4G via Modem, optional: LoRaWAN
Protocols	UDP, ASCII, Modbus
Special features	Accessories: Mast / tripod mount, optional: weather station, sunshade, LoRa modem
Dimensions	530 • 270 • 208 mm (H • W • D)
Data management	Cloud connection to MyAtmosphere (separate registration necessary; cloud license fees may apply or SIM card required)



Mehr Informationen:  
<https://www.palas.de/product/aq-guard-smart2000>