

Model 3031 Ultrafine Particle Monitor

Features and Benefits

Feature	Benefit
19-inch rack mount cabinet	Allows easy installation in air quality monitoring stations
Long-term, unattended operation	Suitable for air quality monitoring stations with periodic maintenance visits
Low start-up and operating costs	Low cost of ownership
Touch panel LCD display with user-friendly menus	Easy setup
No working fluids; no radioactive source	No hazardous chemicals to handle and no licensing requirements
Remote access via the Internet	(a) Convenient data management by easy integration into existing data access protocol of monitoring network (b) Online monitoring of instrument diagnostics to detect malfunction in-between physical visits
Continuous measurements every 10 minutes	Monitor temporal variation in UFP concentrations
Six channels of size resolution	(a) Size fractionation of concentrations provides insights into UFP sources and formation mechanisms (b) Exposure related health risks are a function of particle size
Optional environmental sampling system	Proper sample conditioning of ambient aerosol for accurate measurements



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