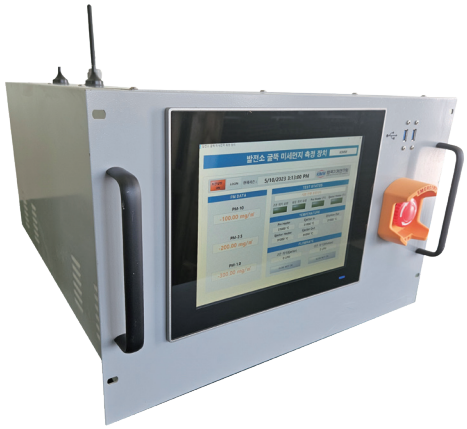
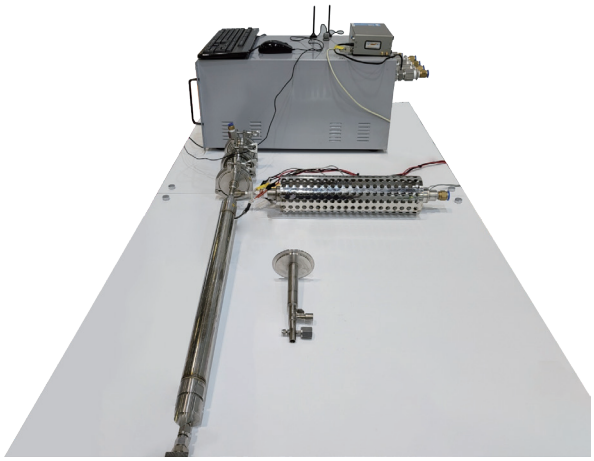
Aerosol Monitoring for Stack

AM4S





Key Features

- Capable of real-time, long-term continuous measurements
- Equipped with an isokinetic sampling probe to respond to changes in stack gas velocity
- High-temperature, high-concentration particle dilution system applied
- Pre-treatment heater installed to maintain relatively high temperatures inside the stack, preventing condensation of sampled gas
- Supplies hot, dry air to the exhaust and mixes it with the sampled gas to lower absolute humidity, suppressing condensation
- Suitable for measurements in wet stacks
- Periodic automatic cleaning system

Applications

- Product CustomizationIndustrial Stack Emission Measurement
- Incinerators, Biomass Combustion, and Waste Treatment Furnaces
- Exhaust Air from Industrial Dryers, Kilns, and High-Temperature Processing Equipment
- Exhaust Monitoring after High-Temperature and High-Humidity Processes in Cleanrooms
- Particle Measurement in High-Temperature, High-Humidity Ventilation Systems such as Subways and Tunnel

Specifications

Description	Specification
Measurable Gas Velocity Inside Stack	Up to 10 m/s
Dilution Ratio	Typical 40:1
Operating Temperature Range	~ 200 ℃
Operating System	• Control of Primary and Secondary Dilution Air Flow Rates • Temperature Control (Pre-treatment Heater & Main Heater) • Reception and Logging of Measurement Data from the Measuring Device