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Continuous Emission Monitoring System
(Hot-wet)

【PRODUCT DESCRIPTION】

TK-1000H Extractive Hot-wet CEMS is an all-in-one monitoring system built for harsh industrial environments. With modular design, it accurately measures SO₂, NO_x, particulate matter and flue gas parameters, and supports expansion for CO, CO₂ and other indicators. Compliant with the latest national standards, it delivers reliable online monitoring for stationary pollution sources.

【PRODUCT FEATURES】

- Reliable Sampling

High-temperature positive-pressure pump prevents air leakage and ensures authentic samples.
- Accurate Oxygen Measurement

Supports multiple detection methods and directly outputs standard dry oxygen values.
- Flexible Expansion

Modular design allows easy upgrades and supports infrared analyzers.
- Efficient Calibration

Internal gas circulation improves standard gas utilization and cuts consumption.
- Uniform Temperature Control

Heating cabinet plus air bath system keeps steady temperature and avoids condensation.

【TECHNICAL PARAMETERS】

Item		Specification	
SUV-100 Flue Gas Analyzer for Gaseous Pollutants	Measurement Principle	NO, SO ₂ UV Differential Absorption Spectroscopy (DOAS) / O ₂ Electrochemical	
	SO ₂ Range	Measuring ranges (0 ~ 75, ..., 200) mg/m ³ are customizable.	
	NO, NO ₂ Range	Measuring ranges from 0-75 up to 0-200 mg/m ³ are customizable.	
	O ₂ Range	0 ~ 25vol%	
	Zero and Span Drift	≤±2.5%F.S.	
	Indication Error	±2.5%F.S.	
	Detection Limit	≤0.5% F.S.	
	Response Time	(T90) ≤75s	
SDUST Series Particulate Matter Monitor		Measuring Range	Measuring ranges (0 ~ 100, ..., 800) mg/m ³ , configurable.
		Zero Drift	±2%F.S./24h
		Span Drift	±2%F.S./24h
SVPT-100 Temperature, Pressure and Flow Monitor	Temperature	Measuring Span	(0 ~ 300)°C, Optional(0 ~ 500)°C
		Accuracy	±3°C
	Pressure	Measuring Range	±5kPa Optional (±2kPa, ±10kPa)
	Flow velocity	Measuring Range	(0 ~ 40)m/s, Optional(0 ~ 15)m/s, (0 ~ 30)m/s
		Accuracy	When velocity > 10 m/s, relative error is ±10%. Relative error ±12% for velocity ≤10 m/s
Model SSD-100 Humidity Monitor	Humidity	Measuring Range	(0 ~ 40) vol%
		Accuracy	When the concentration ≤5%, the absolute error ≤±1.5%
			When concentration > 5%, relative error ≤±2.5%

