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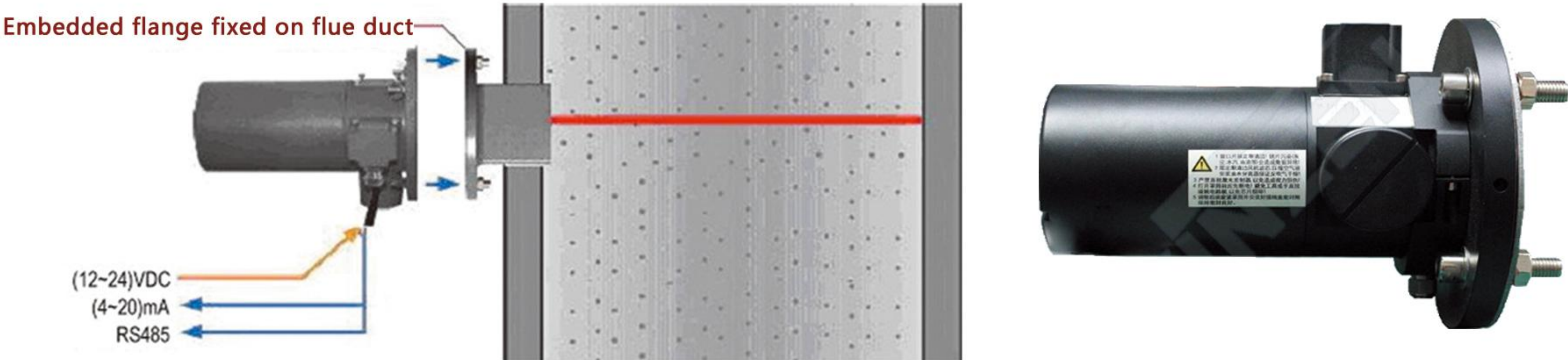
Particulate Dust Monitor

【PRODUCT DESCRIPTION】

SDUST-100 Particulate Matter Online Monitor measures particulate concentration in flue gas from stationary pollution sources. It consists of electrical, optical and structural systems.

A purging system keeps lenses clean with continuous airflow to ensure accurate optical signals. The device operates stably in harsh weather and dusty conditions for long-term continuous monitoring.

It applies to CEMS particle detection, dedusting efficiency testing, combustion efficiency analysis, industrial dust monitoring, occupational health protection and laboratory tests. Widely used in cement, power, steel, metallurgy, oil refining, aluminum, petrochemical, papermaking and glass industries.



【PRODUCT FEATURES】

- Integrated design, easy single-side flue installation. Buckle split structure for easy maintenance.
- Black anodized aluminum prevents light interference; corrosion-resistant.
- Advanced control system features adaptive optical power, low zero drift and strong environmental adaptability.

【TECHNICAL PARAMETERS】

Item	Specification Index
Operating Principle	Laser Backscattering
Mechanical Structure	Overall size: 186×200×182 mm (L×W×H)
	Weight: 3 Kg
	Protection grade: IP65
Optical Characteristics	Operating wavelength: (650 ±20) nm
Measurement Performance	Measuring range: (0 ~ 60,...,700) mg/m³, configurable
	Zero drift: ±2% F.S./24h
	Span drift: ±2% F.S./24h
	Response time: ≤ 10 s
	Flue diameter: (0.7 ~ 20) m
Power Supply Requirement	DC 24V ±10% / 0.5A
Operating Environmental Conditions	Operating temperature: -20℃ ~ +55℃
Signal Output	Analog output: (4 ~ 20) mA
	Digital interface: RS485