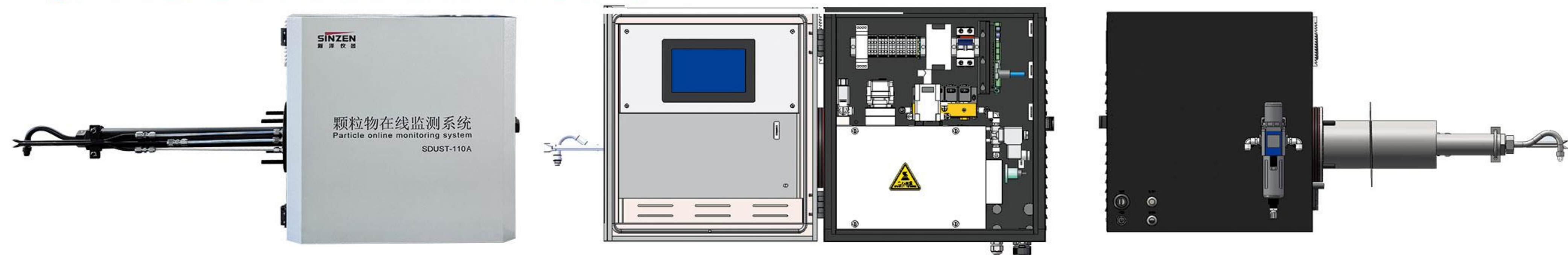


# 5 / Ultra-Low Concentration Particulate Continuous Emission Monitor

## 【PRODUCT DESCRIPTION】



Model SDUST-110A Ultra-Low Particulate Monitor is designed in compliance with HJ75, HJ76 and other standards to meet latest environmental protection requirements.

Suitable for saturated wet flue gas measurement at outlets of wet desulfurization and wet electrostatic precipitators. It maintains high sensitivity and stability under low particulate concentration, widely used in power, cement, steel and other industries.

## 【PRODUCT FEATURES】

- Complies with full optical path span calibration requirements of HJ 75-2017.
- Full-process high-temperature tracing heating vaporizes water mist and droplets to prevent dust agglomeration and pipeline blockage, ideal for high-humidity conditions.
- Adopts pitot tube parallel isokinetic sampling, conforming to HJ/T48-1999.
- Auto zero, manual zero and standard calibration sheet as full set configuration.
- Auto dual-range switching and automatic back purge for gas circuit cleaning.
- Noise cancellation technology delivers ultra-low detection limit.

## 【TECHNICAL PARAMETERS】

| Item                               | Specification                            |
|------------------------------------|------------------------------------------|
| Measuring Range                    | 0-10mg/m³, customizable dual range       |
| Detection Limit                    | 0.01mg/m³                                |
| Repeatability                      | ≤2%                                      |
| 24h Drift                          | ±2% F.S.                                 |
| Response Time                      | ≤30s                                     |
| Protection Level                   | IP65                                     |
| Probe Length                       | Standard 0.5m, 1.0m, customizable length |
| Probe Heating Temperature          | 150~200°C                                |
| Measuring Cell Heating Temperature | 120~150°C                                |
| Sampling Flow Rate                 | 0.3m³/h~1m³/h                            |
| Measurement Output                 | 2 channels 4-20mA, 1 channel RS485       |
| Power Supply Voltage and Power     | AC220V 50Hz, > 1.5kW                     |
| Ambient Temperature                | -20~55°C                                 |