

◎ Oxygen Analyzer Series

12 / S1000 Series Online Oxygen Analyzer



【PRODUCT DESCRIPTION】

S1000 oxygen analyzers use multiple sensors with fast response and long service life, covering various oxygen concentration ranges.

Powered by ARM system, it suits diverse gas environments. Integrated flow, temperature and pressure control ensures stable performance and easy operation.

【PRODUCT FEATURES】

- Air separation: Oxygen detection in nitrogen, argon and inert gas
- Metallurgy: Oxygen analysis for coke oven gas, blast furnace gas, converter gas and shielding gas
- Petrochemical & fermentation: Oxygen monitoring in process gas
- Semiconductor & electronics: Oxygen detection for welding shielding gas
- Food & beverage: Oxygen analysis in CO₂
- Coal chemical industry: Oxygen testing in coal gas and workshop atmosphere

【TECHNICAL PARAMETERS】

Item	Specification
Measurement Range (customizable)	Trace oxygen: 0.01–10 ppm; 0.01–100 ppm; 0.01–1000 ppm; 0.01–10000 ppm
	Constant oxygen: 0.01–4%; 0.01–10%; 0.01–25%; 0.01–100%
	High-purity oxygen: 85–100%
Sensor Type	Electrochemical, paramagnetic, ion flow, etc.
Minimum Resolution	0.1 ppm / 0.01%
Measurement Accuracy	≤ ±1% F.S.
Zero Drift	Absolute zero, zero output in oxygen-free environment
Span Drift	< 0.5% of range per month
Sample Gas Flow Rate	0.5–1.0 L/min
T90 Response Time	≤ 5 s
Signal Output	4–20 mA current signal, max load 750 Ω
Communication Interface	RS232 interface; RS485 optional data interface
Operating Environment	–5 °C – +45 °C
Power Supply Requirements	220 V AC ± 10%, 50 Hz ± 5%