

Infrared Gas Analyzer Series

14

S2000 Infrared Gas Analyzer

【PRODUCT DESCRIPTION】

S2000 Infrared Gas Analyzer is independently developed for environmental protection, carbon emission monitoring and industrial gas analysis.

Adopts GFC and NDIR technologies, equipped with self-developed long optical path gas cell and high-precision circuit for precise gas detection.

【PRODUCT FEATURES】

- Detect up to 3 gases via dual infrared channels and one oxygen channel.
 - Adopt MEMS infrared light source to match pyroelectric detectors perfectly.
 - Equip atmospheric pressure compensation to avoid pressure interference.
 - Apply high-precision constant temperature control to weaken temperature drift.
 - Adopt dual-channel detector design to enhance overall instrument stability.
 - Support isolated signal outputs to effectively resist external interference.
 - Conduct daily automatic calibration to guarantee high data reliability.

【TECHNICAL PARAMETERS】

Item	Specification
Measurement Principle	Non-Dispersive Infrared (NDIR)
Measurement Range	CO: 0–10000 ppm, CO2: 0–20%
	(customizable upon request)
Measured Gas	IP65
Linearity Error	≤2% F.S.
Zero Drift	≤2% F.S.
Span Drift	≤2% F.S.
Repeatability	≤2% F.S.
Response Time	≤120s (T ₉₀)
Voltage Influence	≤2%F.S.
Power Supply Requirements	AC180 ~ 240V, 50Hz, 60W
Operating Humidity	< 60%RH
Operating Temperature	15℃ ~ 35℃
Overall Dimensions	480mm (19") * 175mm (4U) * 349mm

