

20 / S4100 Gas Detector Alarm

【PRODUCT DESCRIPTION】

S4100Combustible Gas Detector uses catalytic combustion and electro-chemical sensors for continuous leakage monitoring of flammable gas.

Widely applied in power, chemical, metallurgy, pharmaceutical and other industries for gas detection and alarm.



【PRODUCT FEATURES】

- Adopts imported high-performance sensors with strong anti-interference and 3-year service life.
- Equipped with advanced microprocessor for fast response, high precision and good repeatability.
- Built-in audible and visual alarm triggers immediately when gas concentration exceeds limit.
- Large backlit LCD displays gas concentration, type, status and other parameters clearly.

【TECHNICAL PARAMETERS】

Item	Specification	
Measured Gas	O ₂ , combustible gases, CO, H ₂ S, H ₂ , NH ₃ , Cl ₂ , etc.	
Supply Voltage	DC 24 V ± 15%	Power consumption < 1 W
Signal Output	3-wire 4–20 mA; one passive switching output (optional, contact capacity: DC 30 V, 3 A)	
Alarm Mode	Sound and light alarm (optional, sound intensity > 95 dB at 1 m)	Display mode: LCD display
		Detected gas: combustible, toxic
Detection Principle	Catalytic combustion, electrochemical, semiconductor, infrared	Catalytic combustion: T90 < 30 s
		Electrochemical & semiconductor: T90 < 30 s
		Infrared: T90 < 30 s
Error	≤ ±5% F.S.	Repeatability: ≤ 2%
Operating Temperature	–40 °C – +70 °C	Protection rating: IP65
Material	Die-cast aluminum	Explosion-proof rating: Ex d II C T6 Gb
Explosion-Proof Connection Thread	G 3/4"	Dimensions: 190 mm × 130 mm × 75 mm
Mounting Method	Wall-mounted, pipe-mounted, bracket-mounted, conduit-mounted	
Installation Cable	≥ RVV 3 × 1.5 mm ²	