

27 / Online Oxygen Content Analysis System for Fuel Gas

【PRODUCT DESCRIPTION】

Oxygen monitoring is vital for coke oven gas and producer gas purification. Oxygen over 1.2%VOL may trigger explosions in electrostatic tar precipitators.

Tar, naphthalene and other impurities often clog sampling units, causing detection errors. Nearly 80% of faults stem from flawed sampling designs.

Developed for high-viscosity, corrosive and easily crystallized gas media, TK-6000 features anti-blocking, corrosion resistance, fast response, high accuracy and easy maintenance. It is widely used in gas industry.



【PRODUCT FEATURES】

- Dust filtration capacity: <200 g/Nm³, low maintenance
- System response <10 s, analyzer response <1.5 s, pump flow: 6 L/min
- Filtration accuracy: ≤0.1 μm
- MTBF: >3 years
- Cost-effective, supports simultaneous multi-component detection
- Full dry filtration for undistorted sampling and precise analysis
- Fully automatic and unattended operation

【TECHNICAL PARAMETERS】

Measurement Range	CO: 0 ~ 400ppm O ₂ : 0 ~ 25%
Maximum Permissible Error	≤0.1%F.S.
Resolution	0.01%
Zero/Span Drift over 24h	Zero drift: ≤ 1% F.S./7d
	Span drift: ≤ 1% F.S./7d
Repeatability	0.1%
Preheat / Warm-up Time	10min
Sample Gas Flow Rate	(0.3 ~ 0.5) L/ min
Sample Gas Flow Rate	AC220V±10%, 50HZ