25 Online Calorific Value Analysis System for Fuel Gas / Natural Gas

【PRODUCT DESCRIPTION】

The TK-6000 online coal gas calorific value analyzer applies component analysis instead of combustion method for accurate calorific value measurement.

It calculates gas calorific value by analyzing gas components via mathematical models. With traceable calibration based on national standard gas, it meets national metrology requirements.

Specially designed for steel plants, it detects H2, CO and CH4 to calculate coal gas calorific value, suitable for calorific value compensation of various combustion control systems.

【PRODUCT FEATURES】

- Dust holding capacity: <200 g/Nm³, low maintenance
- System response time: <10 s, analyzer response time: <1.5 s, pump flow: 6 L/min
- filtration accuracy: ≤0.1 μm
- MTBF: over 3 years
- Cost-effective, supports simultaneous multi-component online detection
- Full dry filtration ensures authentic sampling and accurate analysis

【TECHNICAL PARAMETERS】

Measurement Range	(Component optional) (Range optional)
Maximum Permissible Error	±0.1%F.S.
Resolution	0.01%
Stability	Zero drift :±1%F.S./7d
	Span drift: ±1%F.S./7d
Repeatability	0.1%
Preheat Time	10min
Sample Gas Flow Rate	(0.3～0.5) L/ min
Sample Gas Port Size	G1/2
Electrical Port Size	1/2NPT
Operating Power Supply	AC220V±10%, 50HZ
Operating Environment	Temperature - 5℃～+45℃ Humidity≤90%RH
Explosion-Proof Rating	ExdIICT6
Analog Output	4～20mA
Sample Gas Pressure	0.05 MPa ≤ Inlet pressure ≤ 0.1 MPa