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## GA-5000 Continuous Emission Monitoring System (On-site)

### Product Overview

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GA-5000 Continuous Emission Monitoring System(On-site) is composed by dust monitoring subsystem, gaseous pollutant monitoring subsystem, flue gas parameter monitoring subsystem, and system control & data acquisition & processing subsystem. It can monitor SO<sub>2</sub>, NO<sub>X</sub>, O<sub>2</sub>, dust, temperature, pressure, velocity, etc. Other parameters can be extended as required for special



analyzers and measurement. Without tracing pipe and condensation, it not only owns response but can effectively solve the technical problem that moisture absorbs SO<sub>2</sub> and cause low measuring result in Condensation Method, having prominent advantage especially in field of low concentration measurement.

## | Features

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- Adopt UV-DOAS and stoichiometric algorithm, detection limit can reach 1mg/m<sup>3</sup>.
- Employ holographic grating for light splitting and diode array for detection to obtain continuous and complete absorption spectrum; high resolution, ensuring low detection limit, small temperature drift and fast response.
- No condensation process, avoid condensate water absorbing SO<sub>2</sub> and cause low measuring result; reflecting actual working condition.
- Without heat tracing pipe, fast response and low cost.
- Compared with extraction method, it owns advantages of high measuring accuracy & reliability, low investment costs, fast response time, etc.
- Compared with in-situ method, it owns advantages of online calibration, small measuring value fluctuation, high reliability, easy maintenance, etc.

control in coal-fired power plant, garbage power plant, cement plant, glass plant, lime factory, ceramics factory, sintering process, coke oven, desulfurization technology, denitration technology, etc.

## | Specifications

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SO<sub>2</sub>: 0~50~1000ppm, O<sub>2</sub>: 0~25%.

NO<sub>x</sub>: 0~50~1000ppm, humidity: 0~40% .

Dust: 0~10mg/m<sup>3</sup>, 0~50mg/m<sup>3</sup>

Velocity: 0~40m/s (customizable)

Temperature: 0~300°C (customizable).

Pressure: -10kPa~10kPa (customizable).

Dimension: 580mmx290mmx1060mm ,

Tracing temperature: 120°C

IP grade: cabinet IP42, others IP65

Power supply: (220±15%)VAC, 2000W

Working temperature: -10°C~50°C

Working humidity: 0~95%RH (non-condensing)

Compressed air: (0.4~0.8)MPa, 0.25m<sup>3</sup>/min, clean, oil-free & water-free

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WDet-5000CN Cyanide Water Quality Online Analyzer



MDet-5000Mn Permanganate Index Water Quality Analyzer



MDet-5000X Series Colorimetric Method Heavy Metal Water Quality Online Analyzer



## WDet-5000 Ammonia Nitrogen Water Quality Online Analyzer (Salicylic Acid Method)

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