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GA-5000DN Ammonia Escape Online Monitoring System

Product Overview

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GA-5000DN Ammonia Escape Online Monitoring System (NH₃) is based on Tunable Diode Laser Absorption Spectroscopy (TDLAS). It is composed by pretreatment system, gas analysis module and data processing & display. Measured gas passes high-temperature sampling probe for dust removal, tracing pipe for high-temperature transmission, and then enters high-temperature gas analysis



water absorbs light and causes low measurement accuracy, and high dust attenuates optical path in in-situ system and cannot be used for measurement.

| Features

- "Single-line spectrum" absorption technology, avoiding background gas interference; low detection limit and small span drift.
- Heat tracing above 220°C, avoiding crystallization of ammonium salt or dissolution in condensate water.
- High automation, less maintenance.
- Compact structure, convenient for installation.

| Application

Applied in ammonia escape monitoring and process control in SCR or SNCR denitration system of coal-fired power plant, aluminium manufacturer, steelworks, smelting plant, glass plant, cement plant, garbage power plant, chemical plant, etc.

| Specifications

Measurement technology: TDLAS technology.

Range: 0~20 μ mol/mol (customizable).

Indication error: $\leq 1\%$ F.S..



Response time: ≤ 1200 (150%).

External output interface: 4x4-20mA output, 4xswitch output.

Communication interface: RS485/GPRS.

Power supply: $(220 \pm 15\%)$ VAC, 5000W.

Dimension: 600mmx285mmx1200mm.

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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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