



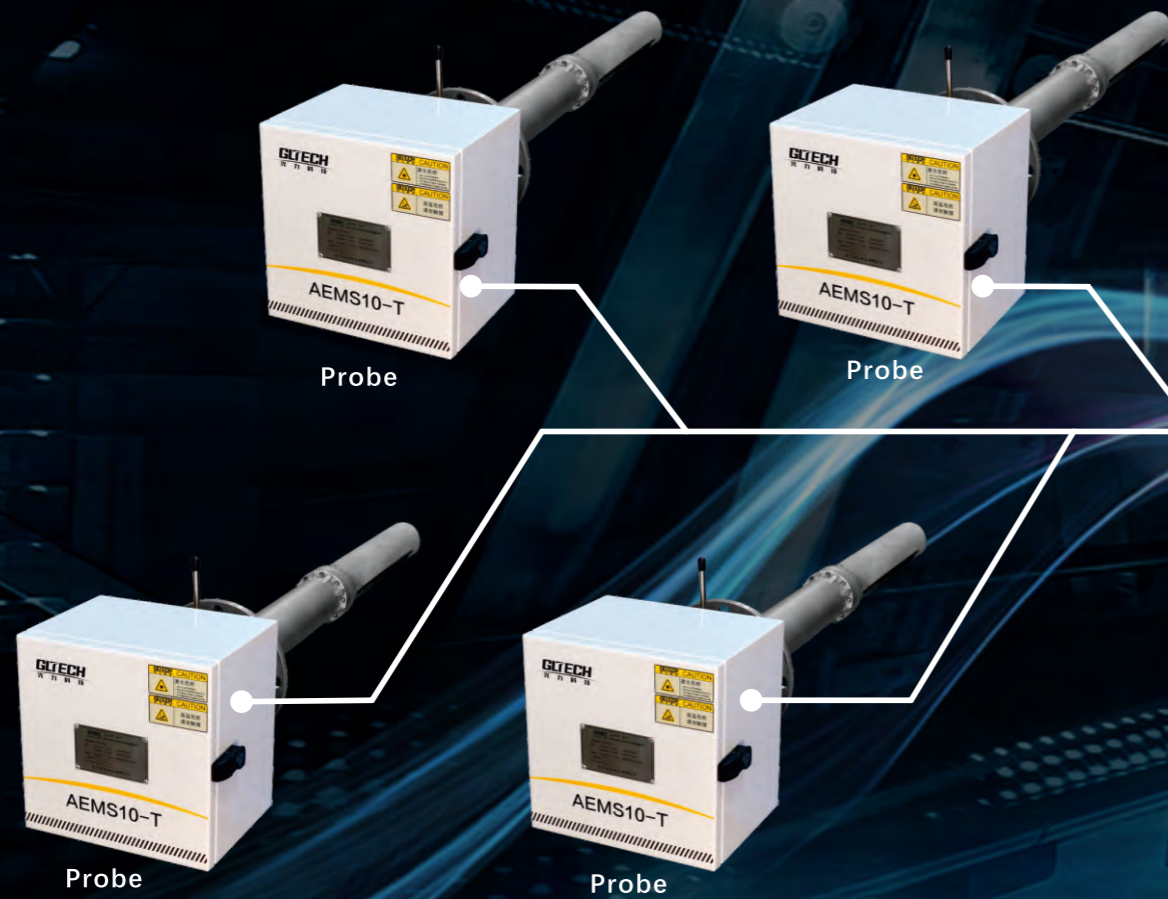
AEMS10

Online Ammonia Escape Monitoring System

Unlocking Optimal DeNOx Efficiency:
Empowering Power Plants with Ammonia Spray Control.

SPECIFICATION

- Gas Name: NH₃
- Measuring range: 0-20/50/100 ppm available
- Linear deviation: $\leq \pm F.S.$
- Resolution: 0.01 ppm
- System configuration: Host + Probe ("1+N" configuration available)
- Probe structure: Inserted in-situ probe with closed cavity
- Display: TFT true color LED display
- Digital output: RS485
- Power: 220 (1 \pm 10%) V AC






“Numerical Confidence” for Ammonia Emission Control in DeNOx

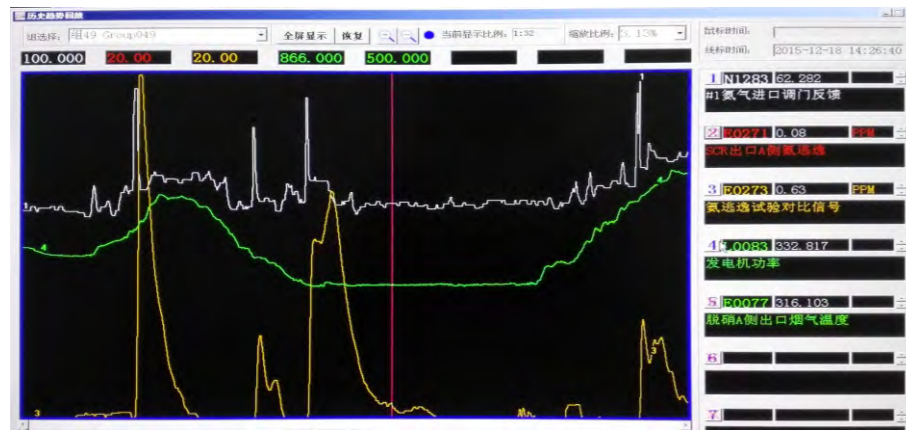
AEMS10

Online Ammonia Escape Monitoring System

Great Tendency Projection

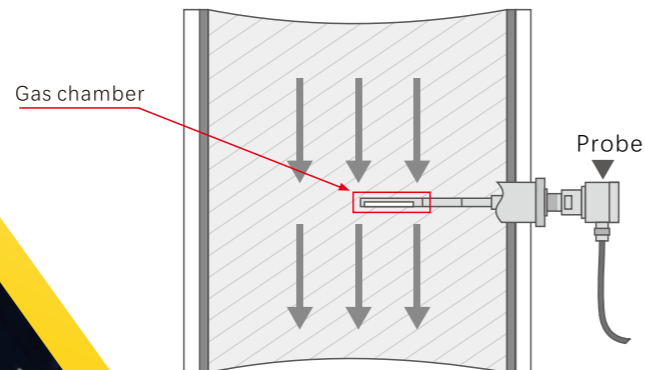
▼ Ammonia emission data is consistent with the opening of the ammonia injection valve

-  Ammonia injection valve opening curve
-  Ammonia emission monitoring curve
-  Generator output curve



Compact design/ In-situ shielded gas measurement chamber

- Laser source and detector are integrated within a single measurement unit.
- Probe is directly inserted into the flue to achieve in-situ measurement.
- Shielded particle filter avoids the entering of dust into the measurement chamber.



Features

NO1 In-situ Measurement

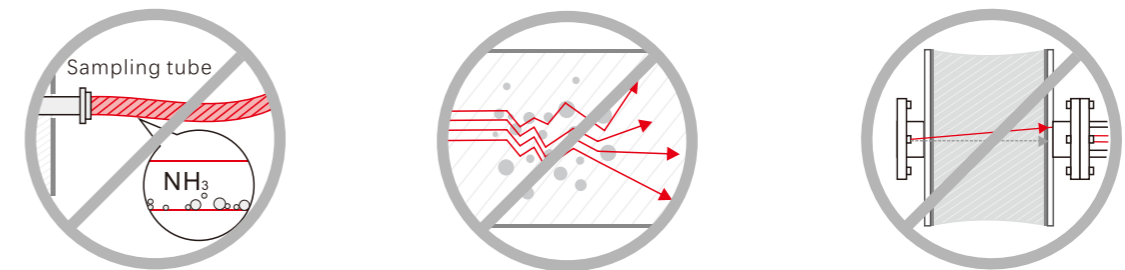
Avoids ammonia deposition in the bypass sampling tubes

NO2 Shielded gas measurement chamber

Allows remote calibration with direct gas feed

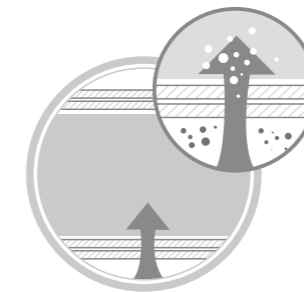
NO3 Integrated Structure

Avoids laser misalignment due to flue vibration or thermal expansion

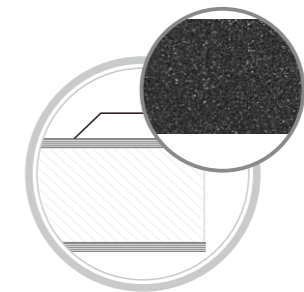


Accurate/Efficient/Robust

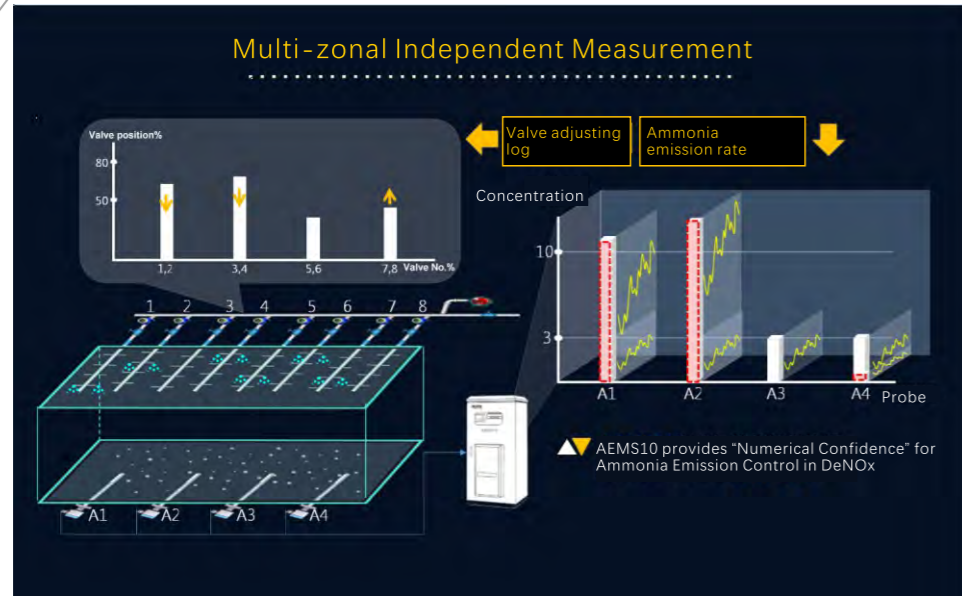
▼ Micro-negative pressure gas sampling method effectively prevents sample tube blockage



▼ Metallic wear-resistant material ensures a longer lifespan

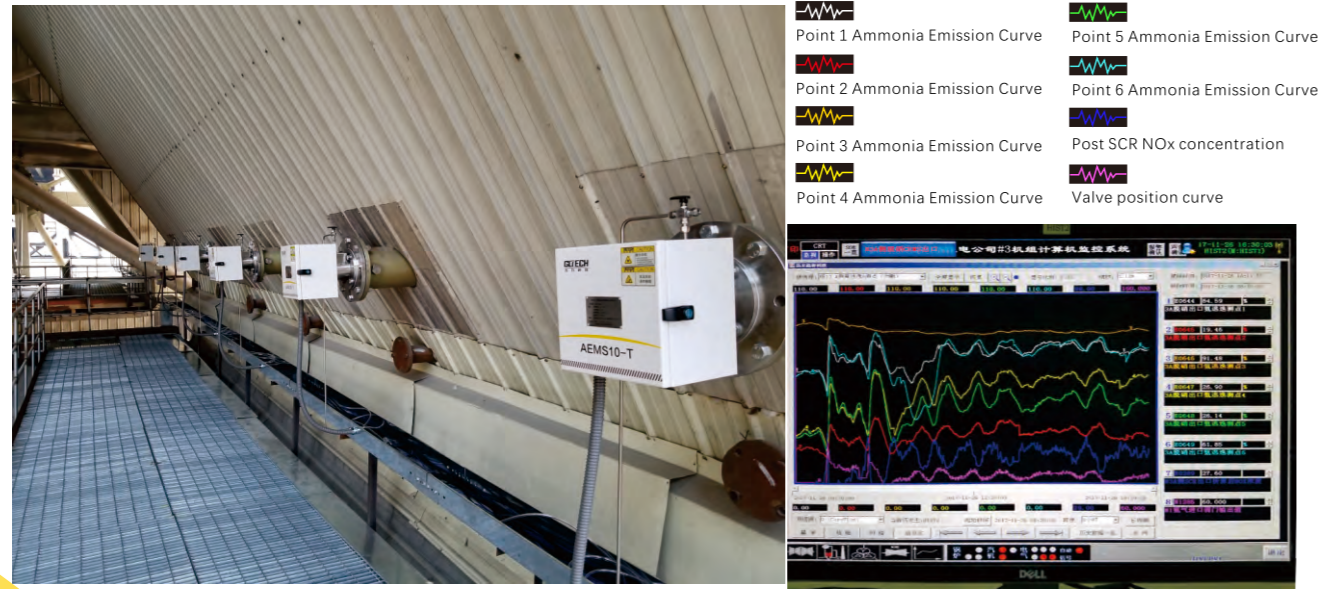


Optimization and Adjustment System of SCR Ammonia Spray



Capable of system integration with OMS1000 NOx Monitoring for accurate SCR ammonia spray control

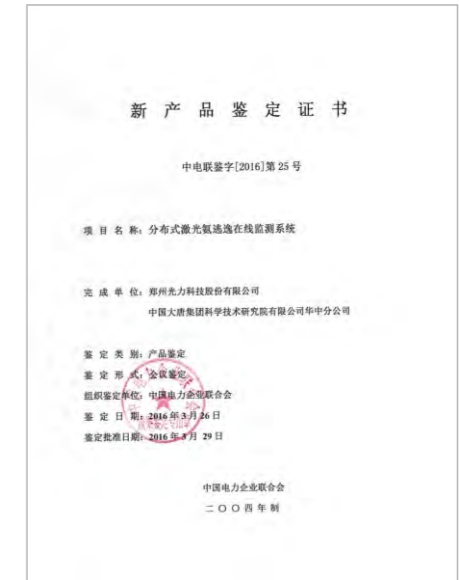
Field Application/Ammonia Emission Curve



Indicating uneven ammonia spray, avoiding the blockage in air preheater

Qualifications

CEC(China Electricity Council) Certified



Patent Certificates

