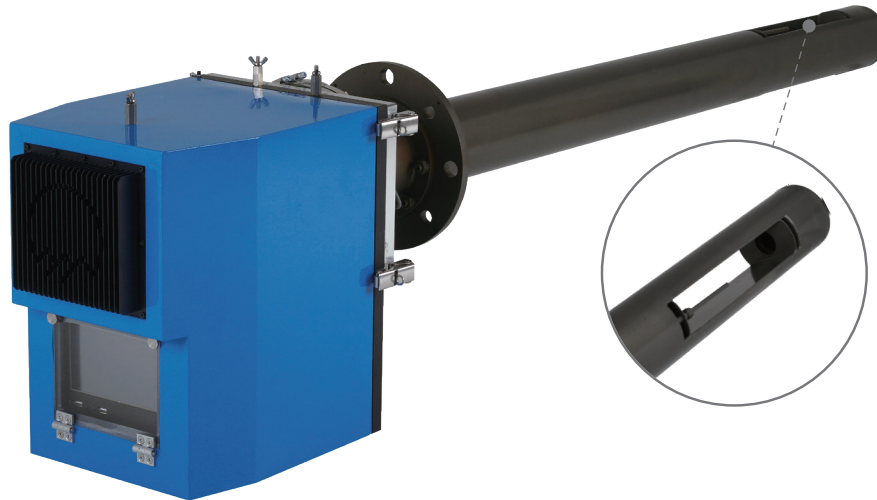


## In-situ



## Technical Specification

Measured Component	NO, NO <sub>2</sub> , SO <sub>2</sub> , NH <sub>3</sub>
Measurement Principle	Differential Optical Absorption Spectroscopy (DOAS)
Measuring Range	NO <sub>x</sub> : Min 0 ~ 40 / Max 0 ~ 2000 ppm SO <sub>2</sub> : Min 0~ 50 / Max 0 ~ 2000 ppm NH <sub>3</sub> : Min 0 ~ 10 / Max 0 ~ 50 ppm
Min. Measuring Unit	0.1 ppm
Zero Drift (168 hours)	< ±1 % FS
Span Drift (168 hours)	< ±1 % FS
Repeatability	< ±1 % FS
Linearity	< ±1 % FS
Response Time	< 5 seconds

**System Component** Main Unit / Probe / Power Distribution Panel / Purge Motor Unit / Master Flange / Cables

**Option** Probe Protector / Teflon Coated Probe / ACU (Auto-calibration Unit) / IP66 or NEMA 4X / Regulator & Valve / Calibration Gas

**Certificate & Approval** Type Approval (Korea)  
US EPA (USA)  
TUV (Germany)  
CPA, CCEP (China)

- Feature**
- 01 Measures in the low wavelength UV range (200 ~ 400 nm) for high precision and minimal moisture interference
  - 02 Utilizes the differential optical absorption spectroscopy (DOAS) method, eliminating the need for calibration
  - 03 Selectively measures two gases out of NO<sub>x</sub>, SO<sub>2</sub>, and NH<sub>3</sub> simultaneously
  - 04 Enables individual NO and NO<sub>2</sub> measurements without the need for a NO<sub>x</sub> converter
  - 05 Optional addition of a standard gas calibration device

## Options

DGA-X with ACU  
Real Gas Calibration



## Options

DGA-X  
DCP Probe



## Other Specification

Measurement Condition	Operating Temp.	-20 ~ +55 °C
	Gas Temp.	< +900 °C
Communication	Analog Output	2 Channel, 4 ~ 20 mA
	Digital Output	4 Channel
	Digital Input	2 Channel
	Display & Input Device	7 inch LCD Monitor (Touch Screen) / USB
Interface	RS232, 422, 485 / LAN (Ethernet) / Hart	
	Material	SUS 304
Dimension & Power Supply	Dimension	W 300 x D 380 x H 420 mm
	Weight	22 kg
	Enclosure Rating	IP 65 (IP 66)
	Voltage	110 / 220 VAC, 50 / 60 Hz
	Power Consumption	500 W

Probe	Material	SUS 316 L or SUS 316 Ti
	Length	0.5 ~ 2.5 m
	Measurement Section Length	300 mm, 500 mm
	Weight	1.5 m : 20 kg / 2.0 m : 25 kg
	Gas Flow Rate	> 1 m/s
	Purge	Necessary
Purge Motor Unit	Temp. Sensor	PT 1000 or PT 100
	Material	SUS 304
	Dimension	W 523 x D 370 x H 605 mm
	Weight	15 kg
	Voltage	3P 480 VAC or 1P 220 VAC
Power Consumption	0.5 kW ~ 1.5 kW	