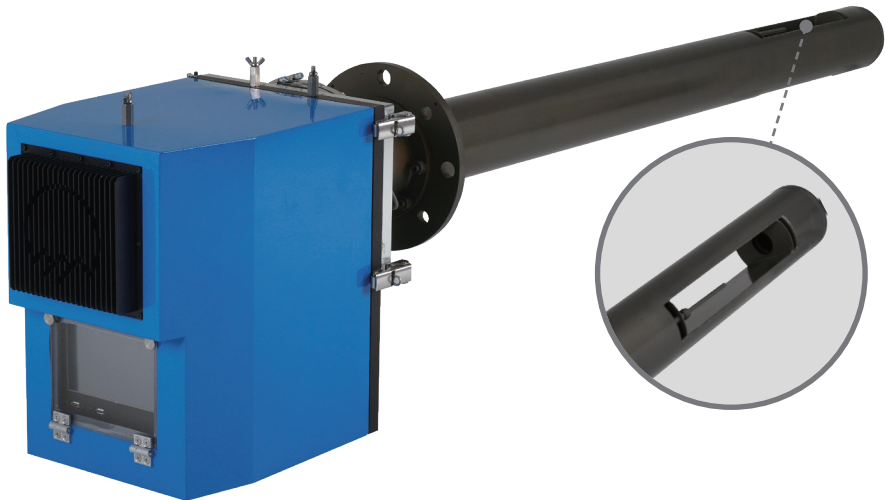


In-situ



Technical Specifications

Measured Components	NO, NO ₂ , SO ₂ , NH ₃
Measurement Principles	Differential Optical Absorption Spectroscopy (DOAS)
Measuring Ranges	NO _x : Min 0 ~ 40 / Max 0 ~ 2000 ppm SO ₂ : Min 0 ~ 50 / Max 0 ~ 2000 ppm NH ₃ : 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 Components

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

Options

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

Certificates & Approvals

Type Approval (Korea)
US EPA (USA)
TUV (Germany)
CPA, CCEP (China)
EAC, PAC (Russia)

Features

- 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_x, SO₂, and NH₃ simultaneously
- 04 Enables individual NO and NO₂ measurements without the need for a NO_x converter
- 05 Optional addition of a standard gas calibration device

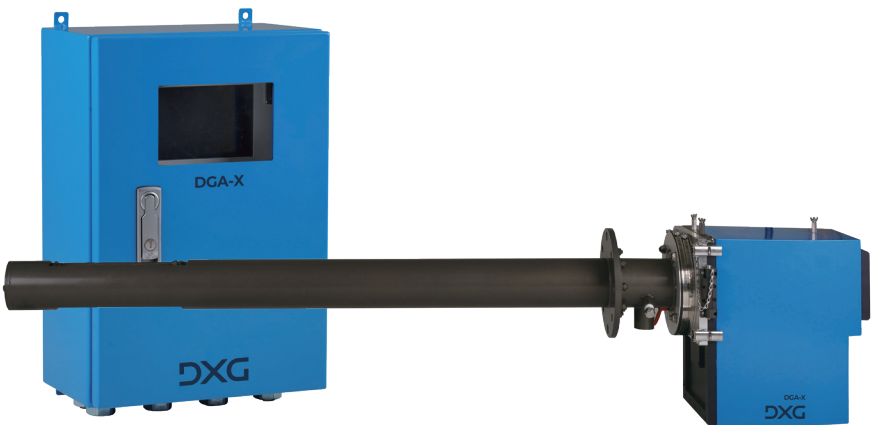
Options

DGA-X with ACU
Real Gas Calibration



Options

DGA-X
Separated Control Unit



Other Specifications

Measurement Conditions	Operating Temp.	-20 ~ +55 °C
	Gas Temp.	< +900 °C
Communication	Analog Outputs	2 Channel, 4 ~ 20 mA
	Digital Outputs	4 Channel
	Digital Inputs	2 Channel
	Display & Input Device	7 inch LCD Monitor (Touch Screen) / USB
	Interface	RS232, 422, 485 LAN (Ethernet) / Hart
Dimension & Power Supply	Dimensions	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	Materials	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 Motor	Necessary
Purge Motor Unit	Temp. Sensor	PT 1000
	Dimensions	W 550 x D 350 x H 850 mm
	Weight	15 kg
	Voltage	3P 480 VAC or 1P 220 VAC
	Power Consumption	1.0 kW ~ 1.5 kW