

Infrared Continuous Gas Analyser

ZPA Series

Features

- ❖ Excellent Stability: Zero drift $\pm 0.5\%$ FS/ week or better (ZPB and ZPG)
- ❖ Simultaneous and continuous measurement of up to 5 gas components (ZPA and ZPB)
- ❖ Compact and lightweight: 130 (H) x 483 (W) x (D) mm, 11 kg or less
- ❖ Unique measurement cell design reduces maintenance
- ❖ Atmospheric pressure compensation simplifies correction for atmospheric and altitude pressure variations
- ❖ Built-in paramagnetic or zirconium fuel cell oxygen sensor available

Applications

- ❖ Heat treatment furnace
- ❖ Biomass
- ❖ Refuse incinerator
- ❖ Storage of fruits & Irrigation / Greenhouse
- ❖ Thermal power generation boiler



Specifications

Measurement principle : Non-dispersive infrared gas Analyser (single-beam), Oxygen sensor: paramagnetic type, fuel cell type or external zirconia type

Number of measurement ranges : Up to 2 ranges for each component

Repeatability : Within $\pm 0.5\%$ FS

Linearity : Within $\pm 1\%$ FS

Applicable standard : CE mark

Outside dimension : 133 (H) x 483 (W) x 382 (D) mm

Mounting method : 19" rack mount

Ambient temperature/humidity : -20 °C to 60 °C, 90%RH or lower

Power supply : 110 to 240 VAC, 50 Hz



In-Situ UV-DOAS - NO, NO2, SO2, NH3

DGA-X



DGA-X model delivers reliable, precise performance at excellent value. It was proven UV-DOAS technology to measure SO₂, NH₃, separate NO & NO₂ measurement is possible through this technology. perfect solution for CEMS, FGD Inlet, Outlet. IT also has an option available with teflon coated probe. This model suited & proven in rugged application.

Features

- ❖ Measures in the low wavelength UV range (200 ~ 400 nm) for high precision and minimal moisture interference
- ❖ Utilizes the differential optical absorption spectroscopy (DOAS) method, eliminating the need for calibration
- ❖ Enables individual NO and NO₂ measurements without the need for a NO_x converter
- ❖ Optional addition of a standard auto calibration device
- ❖ Certification : TUV-QAL1

Specifications

Operating Temp. : -20 ~ +55 °C

Gas Temp. : < +900 °C

Probe Materials : SUS 316 L or SUS 316 Ti

Voltage : 110 - 220 VAC, 50 Hz

Length : 0.5 ~ 2.5 m

Temp. Sensor : PT 1000

Measurement Section Length : 300 mm, 500 mm

Dimensions : W 550 x D 350 x H 850 mm

Enclosure Rating : IP 65 (IP 66)

Display & Input Device : 7 inch LCD Monitor (Touch Screen) / USB