

## OZONE ANALYZER

GUX-390

This is an ozone ( $O_3$ ) analyzer in ambient air that adopts the ultraviolet absorption method. The device ensures stable determination of a small amount of  $O_3$  in atmosphere.



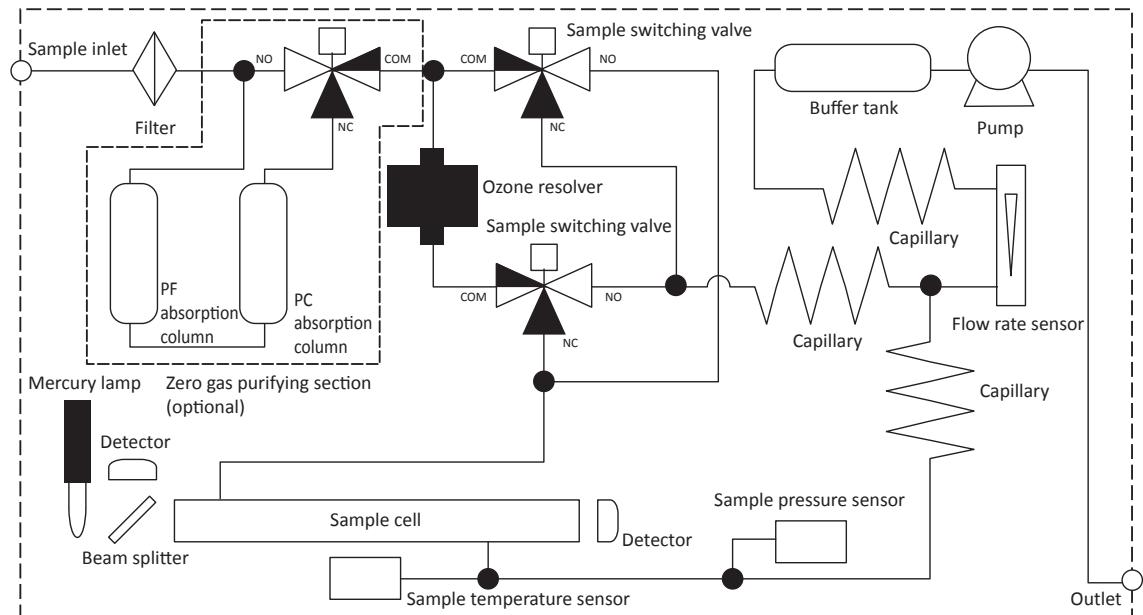
## Characteristics

- The optional Ethernet interface unit enables data collection and remote control via LAN.
- The optional CF card records measurements recorded by an analyzer (instantaneous values and hourly average values), the status within an analyzer (temperature, pressure and flow rate), and the history of zero deviations, span coefficients, alarms and events.\* Data is kept as CSV files in the CF card to facilitate data editing. Various types of data (e.g. minute values, hourly values, alarms and events) are classified into year- or month-wise groups for convenient data organizing.
- A CF card can record the following data volume (the device only accepts our official CF cards that are to be used exclusively for the device.)  
Data example (256MB): Volume of Approximately 12 years (regular recording only)

## Standard specifications

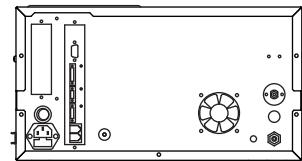
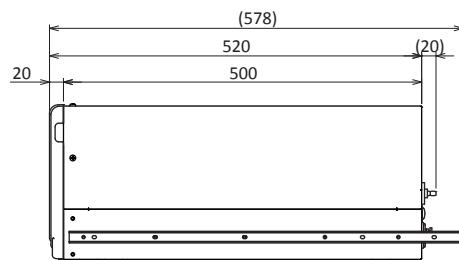
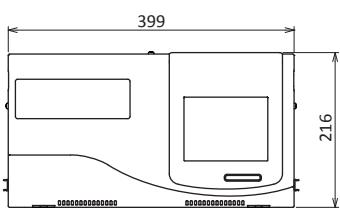
Product name	: Ozone Analyzer
Model	: GUX-390
Measurement object	: Ozone ( $O_3$ ) in ambient air
Measurement method	: Ultraviolet absorption method
Meas. range	: 0 to 0.1 / 0.2 / 0.5 / 1.0ppm (User selectable)
Unit	: ppm, ppb, mg/m <sup>3</sup> , $\mu$ g/m <sup>3</sup> (selectable)
Analog Output	: 0 to 1VDC, 0 to 10VDC, 4 to 20mA (selectable)
Ranges	
Communication	: RS232C, Ethernet TCP/IP (option)
Linearity (indication error)	: Within $\pm 1\%$ FS
Repeatability	: Within $\pm 1\%$ FS
Minimum detection limit	: Within 0.5ppb (0.5% FS)
Zero noise	: Within 0.5ppb
Stability	: Zero drift; within $\pm 1\text{ppb/day}$ , within $\pm 4\text{ppb/week}$ Span drift; within $\pm 1\%$ FS/day, within $\pm 2\%$ FS/week
Response time	: Within 2minutes (90% response)
Effects of interference	: Effects of humidity (In the presence of moisture at 25°C, 80%); $\pm 4\text{ppb}$ or less Effects of toluene (In the presence of 1 ppm toluene); 4 ppb or less
Warm-up time	: Approx. 2hours
Ambient temperature/humidity	: 0 to 40°C, RH 85% or less
Power source	: 220VAC, 50/60Hz
Power consumption	: 150VA at maximum; 60W on average
Flow of sample in ambient air	: Approx. 1.8L/min (20°C, 1atm)
Outside dimensions	: 399 (W) x 520(D) x 216(H) mm without rubber legs
Weight	: Approx. 16kg

### Measurement system diagram



### Dimensions

Unit : mm



**DKK-TOA CORPORATION**



Please read the operation manual carefully before using products.

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