

## SULPHUR DIOXIDE ANALYZER

Model **GFS-312E**

This instrument provides continuous and reliable measurement of Sulphur Dioxide in ambient air.

Measurement is based on the principle of UV fluorescence method specified in ISO10498 (Ambient air - Determination of sulfur dioxide - Ultraviolet fluorescence).

The instrument is designed for long term, continuous measurement, logging and data output.

### Features

#### Compliance with all relevant standards

US-EPA tested and approved and in full compliance with EN measurement standards.

#### User friendly operation

Large backlit display shows plain English data and menus. No complex commands or error codes to memorize.

#### Touch screen panel

User control and data input is by means of the touch screen panel. The various menus are accessed by touching the appropriate menu choice on the screen. Alphanumeric data is input using the on-screen key pad.

#### Flexible data output formats

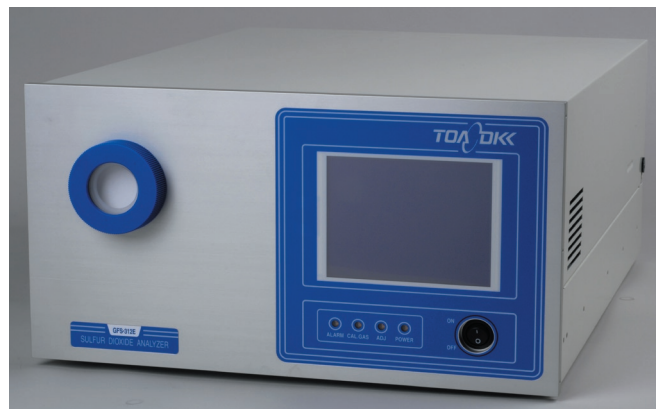
Both analogue and digital format outputs are available for connection to external data loggers and telemetry systems.

#### Powerful data acquisition functions

The instrument has its own integrated data logger system. Diagnostic information is recorded alongside the measurement data and historical data can be displayed on the screen in the form of tables or graphs. Data can also be transferred to optional CF memory cards for easy storage or transfer to other devices such as personal computers.

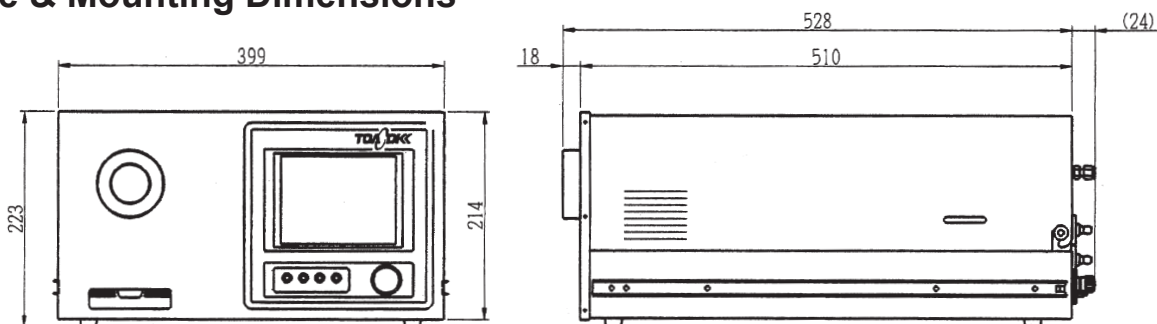
### Standard Specifications

Product name:	Sulfur Dioxide Analyzer
Model Name:	GFS-312E
Measurement Object:	Sulfur Dioxide in ambient air
Measurement Method:	UV fluorescence method
Measurement Ranges:	0~0.05, 0~0.1, 0~0.2, 0~0.5, 0~1 ppm



Lower Detection Limit:	0.2 ppb
Zero Drift:	Within 0.5 ppb/24 hours
Span Drift:	Within $\pm 1\%$ FS/24 hours
Working Temperature Range:	0 to 40 degC
Analogue Output:	0~1V (0~10V, 0~20mA, 4~20mA available as options)
Digital Inputs/Outputs:	RS-232, 8 status relay outputs, 5 digital inputs
Self Check and Diagnostics:	Built-in
Re-start Function:	Automatic start
Memory Backup:	Equipped
Pressure and Temp Compensation:	Equipped
Rack Mount:	Available with optional chassis slide rails
Operating Power:	AC 100/115/220/230V, 50/60Hz
Dimensions (mm):	399(W)x528(D)x214(H) (main body)
Weight:	20kg (approx.)

### Outline & Mounting Dimensions



Due to continuous product improvement, specifications contained herein are subject to change without notice.



Always read the instruction manual before operation.

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