

NITROGEN OXIDES ANALYZER

Model **GLN-314E**

This instrument provides continuous and reliable measurement of Nitrogen Oxides in ambient air. Measurement is based on the principle of chemiluminescence as specified in ISO-7996 (Ambient air - Determination of the mass concentration of nitrogen oxides - Chemiluminescence method). 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

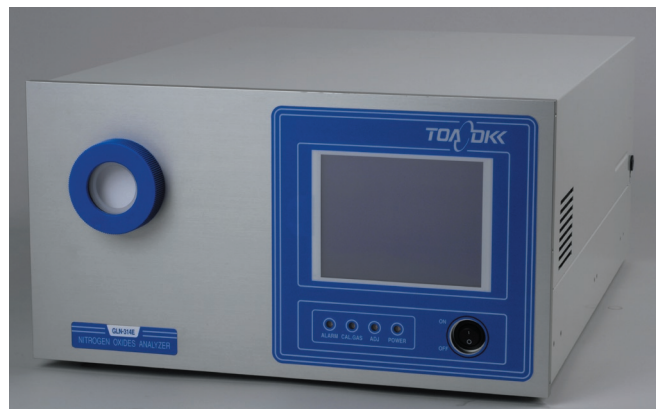
Both analogue and digital format outputs are available for connection to external data loggers and telemetry systems.

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.

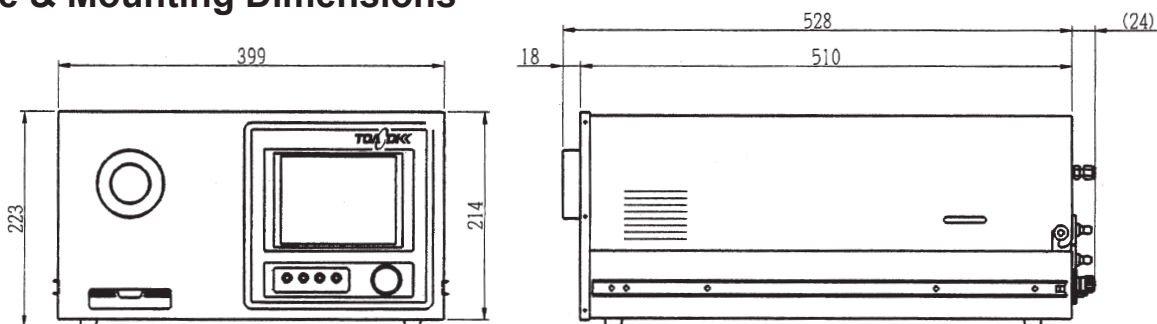
Standard Specifications

| | |
|---------------------|-----------------------------------|
| Product name: | Nitrogen Oxides Analyzer |
| Model Name: | GLN-314E |
| Measurement Object: | Nitrogen Oxides in ambient air |
| Measurement Method: | Chemiluminescence method |
| Measurement Ranges: | 0~0.1, 0~0.2, 0~0.5, 0~1, 0~2 ppm |



| | |
|---------------------------------|---|
| Lower Detection Limit: | 0.4 ppb |
| Zero Drift: | Within 0.6 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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