

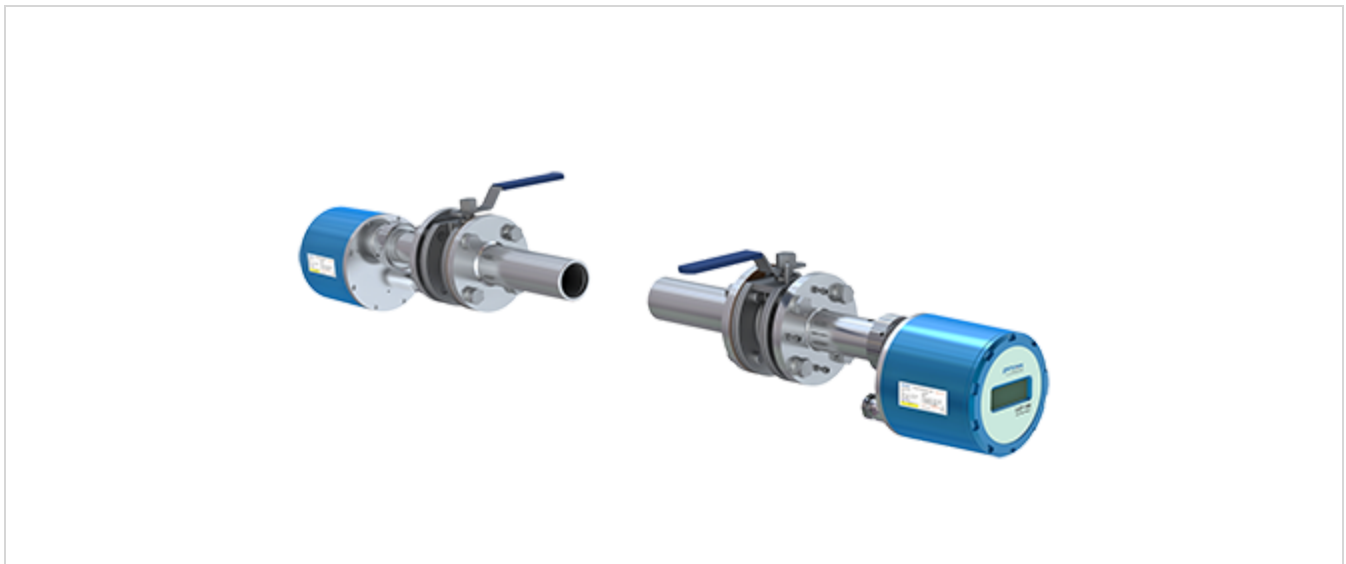


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## LGT-100 Laser Gas Analyzer (In-situ)

### Product Overview

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LGT-100 is a kind of explosion-isolation in-situ probe type tunable laser gas analyzer, which is developed for industrial online analysis and environmental online monitoring. It can online analyze O<sub>2</sub>, CO, NH<sub>3</sub>, CO<sub>2</sub>, CH<sub>4</sub>, H<sub>2</sub>O, HCl, HF, HCN and other gases under various complex working conditions (Note: a single analyzer can



- In-situ measurement is adopted without pretreatment system to avoid sampling adsorption, blockage and component damage in preprocessing.
- Integrated structure: no moving parts, with good reliability and stability.
- Adopt "Single Line Spectrum" Technology, free from cross interference of background gas.
- The optical path realizes uncoupling direction adjustment, simple optical path adjustment at site.

## | Application

Analysis of gas recovery of converter gas; analysis of CDQ circulating gas; oxygen analysis of coke oven gas after electric detarring; blast furnace coal injection gas analysis; analysis of ammonia escaping gas in cement industry; trace CO detection & analysis in electric power, cement, environmental protection and other industries; trace HCl and HF analysis in environmental protection and chemical industry, etc.

## | Specifications

Linearity error:  $\leq 1\%F.S.$

IP grade: IP66.

Response time:  $\leq 1s$  (T90).

Analog input: 2x4-20mA input

Analog output: 2x4-20mA output

Digital communication: RS485/RS232 via serial port

Working temperature:  $-20^{\circ}C \sim 60^{\circ}C$

Purge gas: (0.3~0.8) MPa nitrogen, purified instrument

air

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