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## LGT-680 Laser Gas Analyzer

### Product Overview

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LGT-680 is a 19-inch disc-mounted tunable laser gas analyzer developed for industrial online analysis and environmental online monitoring at home and abroad. Adopting TDLAS technology, with better detection limit index, it can simultaneously measure concentration of 1~5 different gases and the gas component is

Employing current and temperature to modulate (tunable) wavelength of laser accurately, it is able to scan the specific absorption peak of measured gas (no background gas absorption) and obtain its absorbed second harmonic. The gas concentration can be calculated according to broadening information and second harmonic.

LGT-680 laser gas analyzer integrates parts like transmitting unit, receiving unit and measuring room in a 19-inch 4U chassis while the analyzer itself has been installed in the 19-inch cabinet. Sample gas reaches measuring room after passing by sampling probe for filtering and water removal. Transmitting unit will emit laser with specific wavelength and has been frequency selectively absorbed by measured gas in the measuring room. The receiving unit can obtain concentration according to absorption information of laser spectrum.

## Technical Parameters

 LGT-680 TECH PARA.png

## | Features

- Common structure, convenient for integration



Multiple parameters display on one screen, fast response

time

- Stronger adaptability to working condition
- Easy maintenance
- Modular design, convenient to maintain
- High measurement accuracy
- Adopt wavelength modulation technology, with high measurement accuracy and stability

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