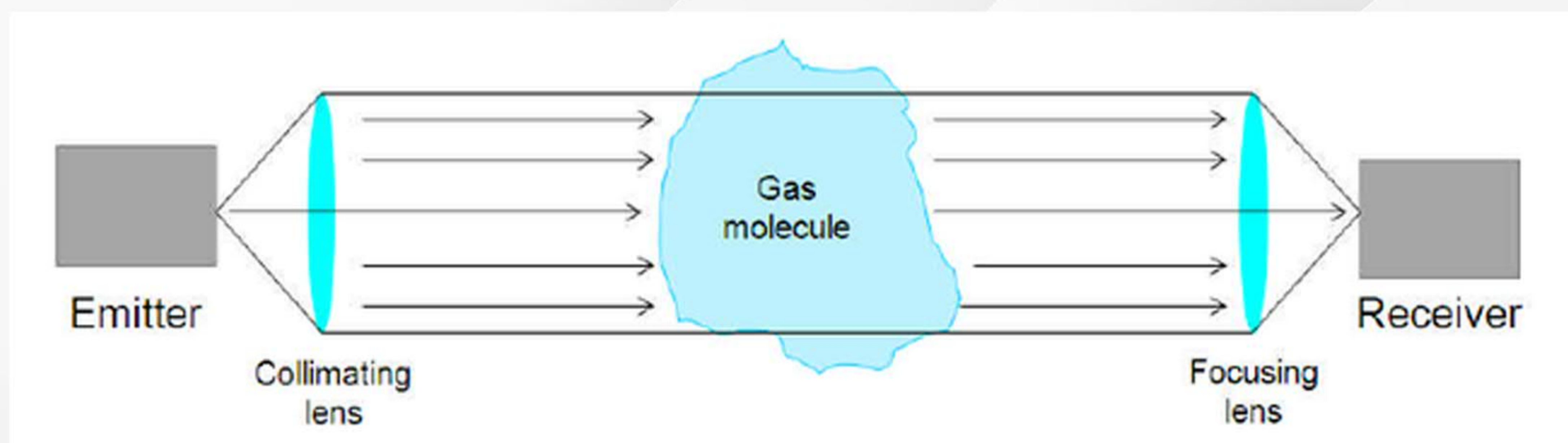




EZ320 - TDLAS Gas Analyzer

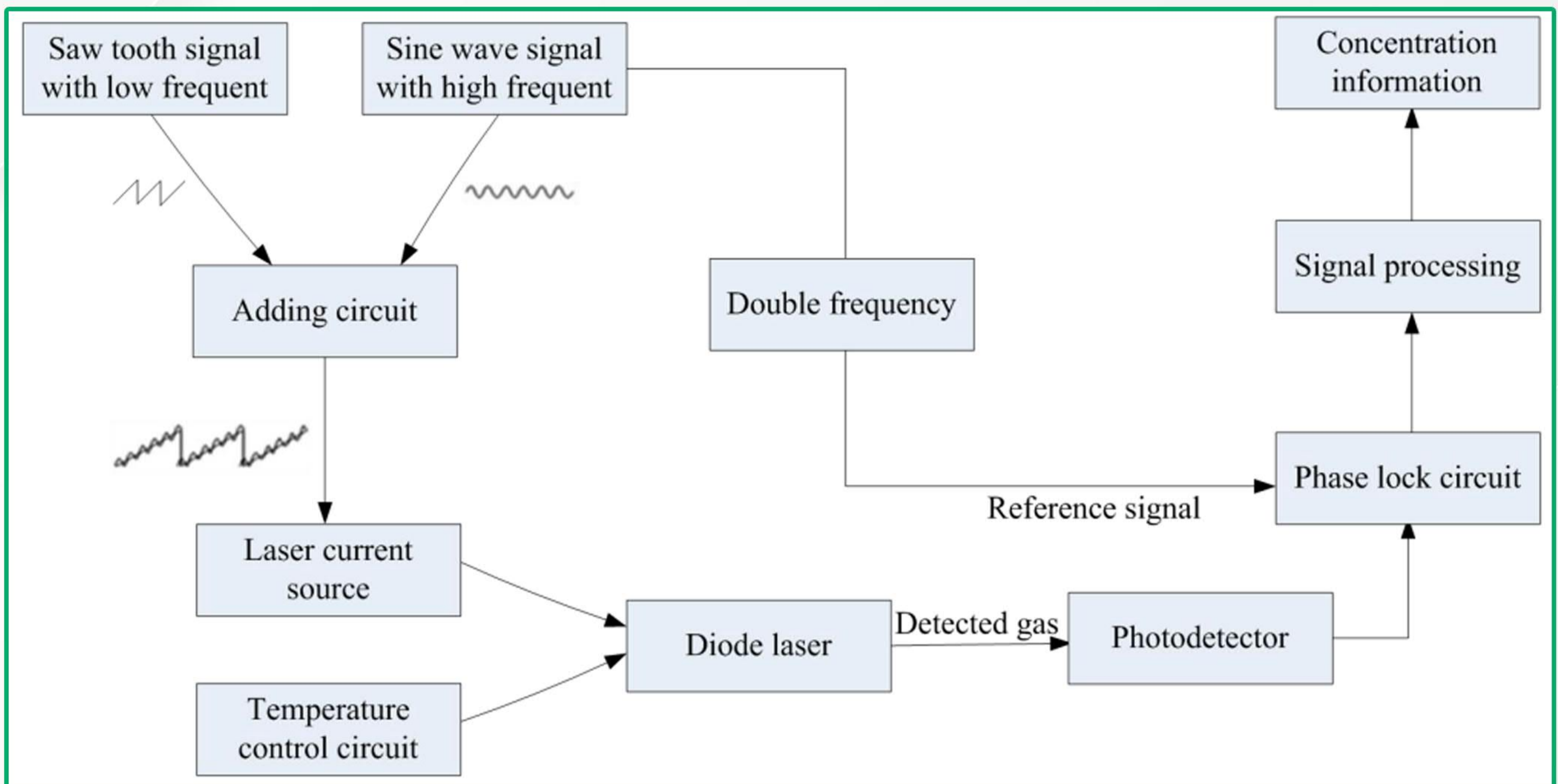
Overview

The EZ320-TDLAS is an advanced tunable laser gas analyzer designed for online industrial analysis and environmental monitoring. It utilizes Tunable Diode Laser Absorption Spectroscopy (TDLAS) technology combined with multiple reflection long path capabilities, enabling accurate analysis of HCl (Hydrogen Chloride) gas. The reflected light can be easily customized to meet specific working condition requirements, enhancing its adaptability and precision.



Features

- ▶ **Compact Structure, Modular design, Easy integration, no moving parts.**
- ▶ **Strong anti-interference capability, high precision, low drift**
Adopts wavelength-modulation-spectroscopy allow better anti-interference capability of background gases and higher reliability.
- ▶ **Low detection limit, higher sensitivity**
Multi-reflection technology achieves optical path upto 25m, improving detection limit greatly. The sensitivity can reach ppm level or even ppb level for some components.
- ▶ **Excellent adaptability**
For application in corrosive environment, all parts of EZ320 Series TDLAS exposed to sample gas are made of corrosion-resistant material. System adopt the extractive sampling measurement method. It can be directly installed in the process pipe to sample, process and analyze.

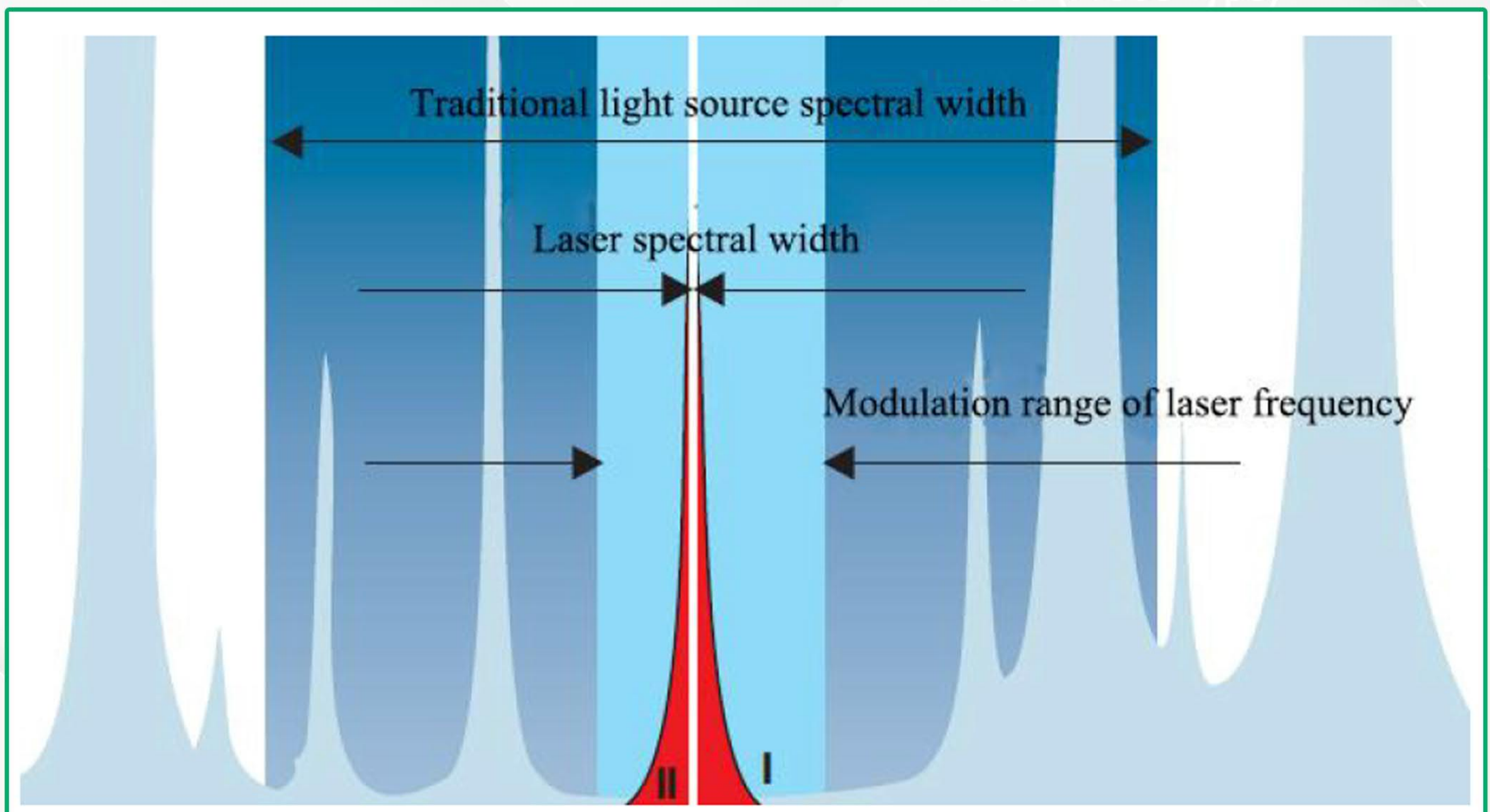


System Composition

Transmitter, receiver and gas cell are integrated into a Ex proof cabinet. Analyzer can be wall or field mounted.

Sample gas is extracted from process vent using Aspirator or Pump, transported to analyzer via heat traced line. Then in the gas cell, it is exposed to laser emitted from the transmitter. The receiver calculates the gas concentration from the spectrum received.

EZ L600
In-situ (Probe Type)



Specification

Items	Description
Method	Tunable Diode Laser Absorption Spectroscopy (TDLAS)
Range	0-100 mg/m ³ (other ranges on request)
Linearity	<=±1%F.S.
Repeatability	<=±1%
Span Drift	<=±1%F.S./half year
Zero Drift	<=±1%F.S./half year
Maintenance Cycle	<=2 times/year(related to working condition)
Calibration Cycle	<=2 times/year
Enclosure Rating	Ex Proof
Response Time	<=1 second
Analog Output	4-20 mA (isolated, max load 750 ohm)
Digital Output	RS485-Modbus RTU
Power Supply	100VAC ~ 240VAC
Ambient Temperature	-20°C ~ 60°C

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