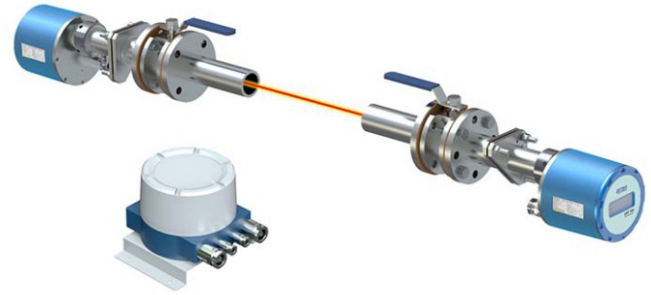


CONTINUOUS EMISSIONS MONITORING SYSTEMS



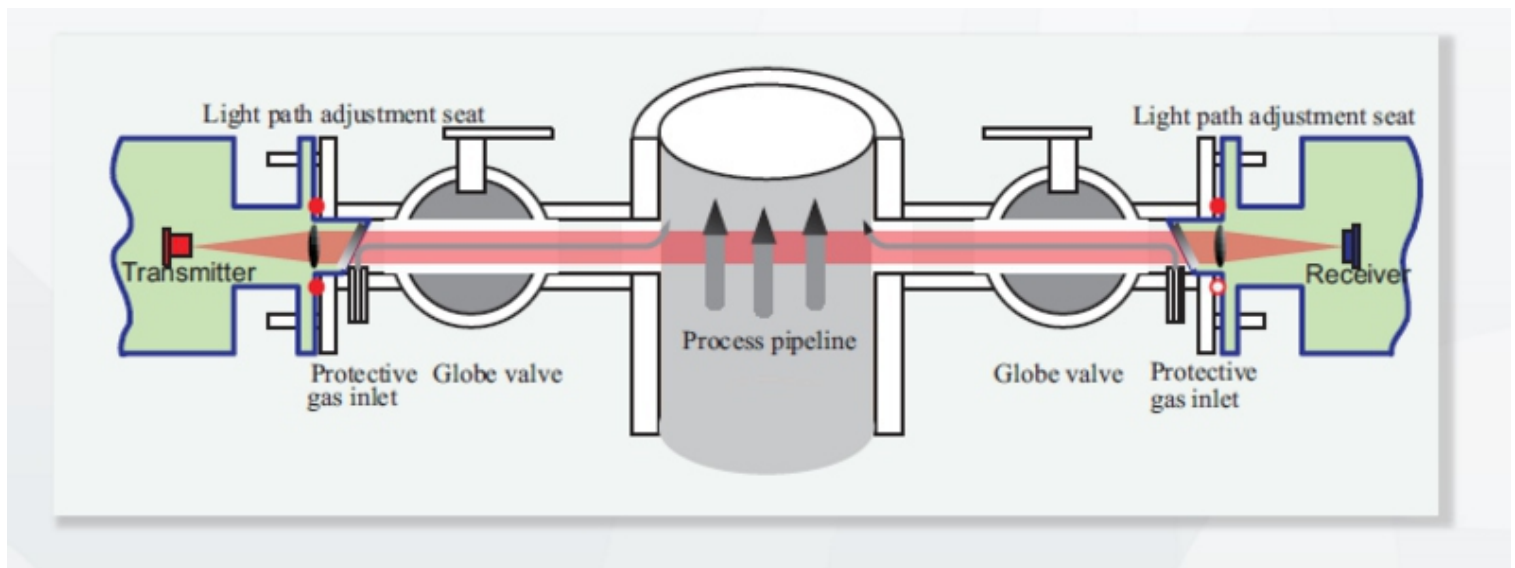
Advanced CEM Dual Sensor Technology
for Accurate Measurement of Flue Gas Components
to meet today's regulatory requirements
ensures stable long term ultra low drift operation.

In-situ OCEMS

TDLS Based

Product Description

SME-100 is a flameproof in-situ type analyser capable of analysing O₂, NO_x, NH₃, SO₂, CH₄, H₂O, HCl, HF and other gases in various and complex conditions. The LGT-100 laser gas analyser can be directly installed across stack, with the advantages of uncomplicated sampling, no pre-treatment system, simple construction and no moving parts. The analyser's OLED screen benefits from low power consumption, a wide viewing angle, and excellent low temperature resistance – it can display properly even at -40°C. Moreover, it can quickly respond to magnetic pen operation.



Technical Characteristics

High selectivity

TDLAS is high resolution spectrum technology, due to the "fingerprint" characteristics of the spectrum, it is not affected

by the interference of other gases. This feature compared with other methods molecular has obvious advantages

High versatility

TDLAS is an effective general technology to all activist within infrared absorption. Only need to change laser and standard gas, the same instruments can be convenient to measure the other components. Based on this characteristic, it can be easily changed to multi-component measurement instrument.

High sensitivity

TDLAS has the advantages of rapid response speed and high sensitivity. In the case of not losing sensitivity, its time resolution can be found in ms level.

FEATURES

- ⊙ Fully integrated system up to 7 gases in a single compact analyzer.
- ⊙ Wide measurement range from 0 100 PPM up to 0 10,000 PPM.
- ⊙ Widely accepted, certified performance complies with the latest monitoring standards.
- ⊙ Simple installation & maintenance requires no specialist skills or training, all maintenance carried out onsite.
- ⊙ Highest measurement performance ultra low drift Measurement technology.
- ⊙ Measured Total NO_x (NO+NO₂) separate sensors for true NO_x monitoring.
- ⊙ Record and store vital emission data internal data logging function.
- ⊙ Combustion efficiency measurement option or a maintenance carried out onsite condition

APPLICATION

- ⊙ Gas turbines
- ⊙ Power plants
- ⊙ Boiler systems coal, oil and gas fired
- ⊙ Incinerators domestic, biological waste
- ⊙ Wood, sawdust, pellet and bark burners
- ⊙ Thermal oxidizers
- ⊙ Pulp and paper
- ⊙ Cement & lime manufacture
- ⊙ Gas pipeline compressors
- ⊙ Biofuel power generation
- ⊙ Petrochemical and refineries

SPECIFICATIONS

Response Time	≤1s (T90)
Linear Error	≤ ±1%F.S.
Span Drift	≤ ±1% F.S./ half year
Type Of Protection	ExdIICT6 GB
Enclosure Rating	Ip66
Analog Output	2×4-20mA output
Analog Input	2×4-20mA input
Digital Communications	RS485/RS232/GPRS
Working Temp.	-20 ~ +60 degree
Purge gas	0.3MPa ~ 0.8MPa N₂, clean air



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