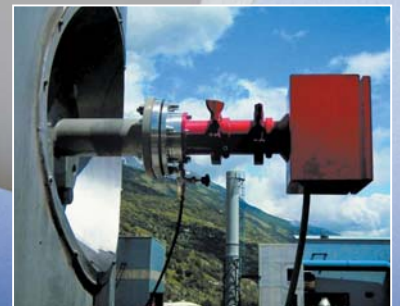


# In-situ Gas Analyzer LDS 6

Process analytics goes in-situ



# Lds 6

The compact In-situ Gas Analyzer LDS 6 for process control even under extreme measuring conditions.

Remote sensing without cross interferences.  
Innovative laser technology for your process.

**SIEMENS**

# Innovative laser technology for the most hostile places

## Smart technology

LDS 6 is a high-performance process gas analyzer with a unique design concept:

### It's in-situ!

The measurement takes place where nobody else wants to be: a sensor is looking directly into the process stream where the gases flow – no extractive sample line needs to be used.

A central unit is separated from the sensor by using fiber optics. Regardless how hostile the environment is, the analyzer can always be placed outside the hazardous area.

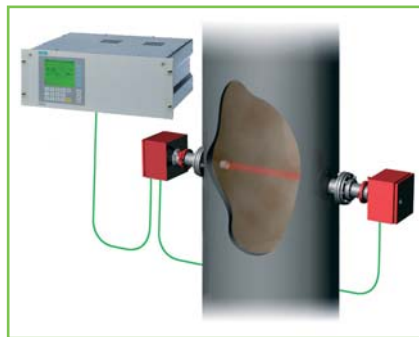
### It's fast!

Measurements are carried out in real-time. This enables a pro-active control of dynamic processes and allows fast, cost-saving corrections.

### It's precise!

The very nature of the laser light allows single-line spectroscopy free of interferences. Since the bandwidth of the laser light is extraordinarily small, only the gas component of interest will interact.

Other influences, such as dust and temperature, are easily eliminated due to the excellent inherent compensation capabilities of this technique.



## Key Features

- In-situ measurements – no gas sampling required
- Built-in auto-calibration
- Dynamic dust load compensation
- Selectable range
- Three measuring points simultaneously
- High gas temperatures up to 1500 °C
- Optionally available in ⚠ II 1 G D T135°C EEx ia IIC T4
- Measuring components: O<sub>2</sub>/temp, NH<sub>3</sub>/H<sub>2</sub>O, HF/H<sub>2</sub>O, HCl/H<sub>2</sub>O, CO/CO<sub>2</sub>, low ppm H<sub>2</sub>O, etc
- Applications: process control, DeNO<sub>x</sub> optimization, combustion control, emission monitoring, filter optimization, ...

## Smart design

LDS 6 comes with all features for easy-to-use and service-friendly operation.

The compact analyzer unit is fitted in a standard 19"-rack for easy installation. A built-in calibration system allows a permanent hands-off self-calibration of the instrument. This, together with the intuitively designed user interface, makes operating the LDS 6 as easy as it can be. And – in the unlikely case of service – the modularity of the system allows easy replacement of all components in the field – including the laser module.

## Smart choice

We offer you a long-term experience from numerous laser technology-based installations in many countries. Local service and representatives are at your side all over the world.

The attractive pricing of LDS 6 and the possibility to measure up to three sample points with one central unit makes it a cost-efficient solution for your process.

**If you have any questions, please contact your local sales representative or any of the contact addresses below.**

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