

SIEMENS

Ingenuity for life



Process analytics goes in-situ

The Laser Diode Spectrometer LDS 6

The compact Laser Diode Spectrometer LDS 6 for process control even under extreme measuring conditions.

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

usa.siemens.com/laser

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 in 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.

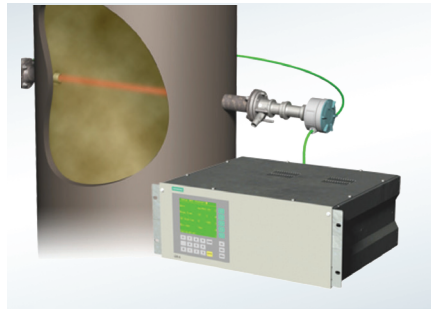
It's fast!

Measurements are carried out in realtime. This enables a proactive 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 1200 °C
- Optionally available in  II 1 G D T135°C EEx ia IIC T4
- Measuring components: NH₃/H₂O, HF/H₂O, HCl/H₂O, CO/CO₂, O₂, CO
- Applications: process control, DeNO_x 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.

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.

Siemens Industry, Inc.
5980 West Sam Houston Parkway North
Suite 500
Houston, TX 77041

Phone: 713-939-7400
Email: ProcessAnalyticsSales.industry@siemens.com
usa.siemens.com/analyticalproducts

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