



Axel Semrau®

# ODOR easy

## Stationary measuring device for the automated on-site analysis of odorant concentration

Axel Semrau® represents continuity and innovation in odorant analysis. The **ODOR easy** is the consequent extension of this philosophy.

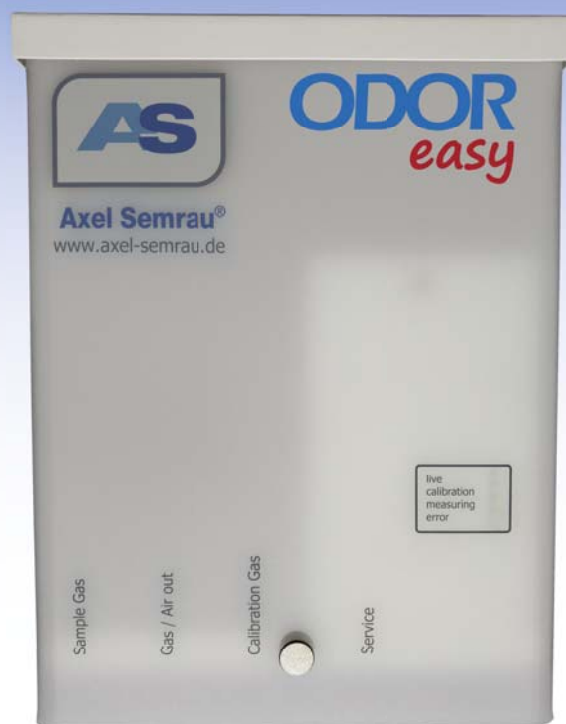
Axel Semrau® pushes the development especially towards an energy-efficient control of the device. Therefore the **ODOR easy** has neither a display nor a keyboard. In order to program the device it needs to be connected to a tablet, smartphone or laptop through a USB-port. An operation is possible with a power supply (115/230V) as well as through solar panels.

The **ODOR easy** can be adjusted for either THT-or mercaptane-concentration in natural gas depending on the particular application. A simple and robust performance offers an inexpensive and continuous control of the odorant in addition at remote sites. Concentration dependent control and monitoring of odorization systems are no more expensive luxury items with the **ODOR easy**. An advantage is considerable potential savings at the odorant consumption.

Another application is the monitoring of pre-odorized gas which is delivered to subsequent utility companies without appropriate odorization systems. The **ODOR easy** ensures a reliable control of contractual guaranteed concentration of odorization.

### Safe, fast and simple measurement of THT or mercaptans!

Sturdy plastic case, selective sensors, low power consumption, automated calibration—the new **ODOR easy** stands out with advances technique and simple handling.



The measurement gas is led through a permanent connection to the **ODOR easy** and further to the blowout. A diffuse leakage of the measurement gas is prevented. The defined gas-flow at a measurement is 10–30 liter/hour. There is no gas-flow outside the measurement.

Depending on the type of odorant used the concentration of it can be determined within a few minutes. The measurement result is readable through a 4-20 mA interface.

### Clear functions

The new **ODOR easy** offers the following functions:

- Measuring function for THT or mercaptans—with different electro-chemical sensors.
- Automated calibration function: The calibration takes place through a calibration gas bottle in determined intervals.
- Data Output: 4–20 mA Interface
- Parameter Input through USB port
- Automatic zero point setting.
- Closed sensor module: The measurement gas is transmitted through an exhaust pipe to the blow pump
- Internal date/time

We sense good chemistry ...

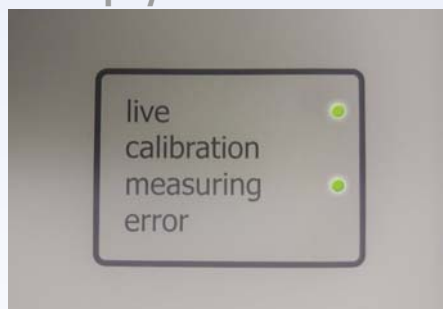


**Axel Semrau®**

### Sensor group



### LED display



### Technical data:

- Integrated H<sub>2</sub>S- and dust trap
- Case: IP 23
- Dimensions approx. 325 x 250 x 100 mm
- Weight approx. 4800 g
- Operating voltage 230 V, 115 V, 12 V port possible
- Power consumption at 12 V: at least 1 Ah per day
- Optical status indicator
- Automated calibration with calibration gas
- Connection pressure 22 mbar to 2 bar
- Measurement frequency: 1 to 24 measurements per day
- Operating temperature 0 to +40 °C (32 °F to 104 °F)
- 1 to 90 % rel. humidity
- Menu-guided programming through USB port
- 4-20 mA measurement signal

### Area of application

	THT	TBM	EM
Measuring range	0–100 mg/m <sup>3</sup>	0–50 mg/m <sup>3</sup>	0–90 mg/m <sup>3</sup>
Measuring accuracy ±10 %	10–25 mg/m <sup>3</sup>	2–10 mg/m <sup>3</sup>	
Resolution of digital display	0,1 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>	0,1 mg/m <sup>3</sup>

Axel Semrau GmbH & Co. KG is one of the largest trading and service companies in instrumental analytics within Germany. Since more than 30 years Axel Semrau® sells and serves special solutions for chromatography and mass spectrometry as well as application optimized workplaces in Germany. Proprietary products are sold worldwide. The business segment of natural gas analytics/odorization control of provides services and proprietary products to energy suppliers within the gas industry with the brand name Axel Semrau®.

With the slogan "We sense good chemistry..." the company and employees of Axel Semrau® commit to an extraordinary quality within the customer service.

80% of our employees have a technical-scientific education and background. Through constant further education and training of our employees a high level of consulting and support secured. We are able to adapt our solutions to customer applications if required. Axel Semrau® has been ISO 9001:2008-certified since May 2008 and also SCC\*\* certified since June 2012.

### Please ask for more information!

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