



Axel Semrau®

ODOR *handy plus*

Simple hand-held measuring instrument for the fast on-site analysis of the odorant concentration

Axel Semrau® represents continuity and innovation in odorant analysis. The **ODOR handy plus** is based on 30 years of experience with hand-held measuring instruments for odorant control in natural gas. It is equipped with an electro-chemical sensor alternatively for the measurement of THT or of mercaptan in natural gas and combines proven sensor technology with state of the art device control.



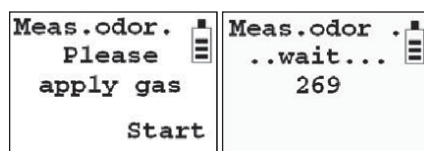
Safe, fast and simple measurement of THT or mercaptans!

Sturdy metal housing, selective sensors, clear menu guidance with function keys, data memory, battery charging station, ATEX approval – the new **ODOR handy plus** captivates with state of the art technology and simple handling.

The measuring gas is fed directly via a flexible hose to the **ODOR handy plus**. Depending on the odorant, the concentration of the odorant is displayed after just 1 to 2 minutes. The result can be read off directly in lbs/MMCF (mg/m³). Other units of measurement can be set in the software. The measured data are stored with details of the measuring point, date and time as well as a note for odor perception and can be retrieved at any time.

Apart from the measuring function, the **ODOR handy plus** can perform continuous monitoring of the indoor air, e.g. while working on odorising systems. Information such as memory capacity, serial number, date or time can be retrieved via the device software. Distinct and clear menu guidance ensures, for example, that equilibration times of the sensor are adhered to.

Clear menu guidance increases safety and facilitates handling



Clear functions

The new **ODOR handy plus** offers the following functions:

- Measuring function for THT or mercaptans – with different electro-chemical sensors.
- Simple calibration function: The calibrations are stored and the current ones are displayed before each measurement. The detector sensitivity is checked at each calibration.
- Continuous indoor monitoring function for odorant with free entry of the maximum concentration as the limit for the visual and acoustic alarm.
- Visual and acoustic alarm if limit values are exceeded.
- Automatic adherence to the necessary equilibration times for the sensor.
- Simple electronic zero point setting.
- Clear four-line display, device software with modern menu guidance, simple function keys and clear user guidance.
- Data memory for 9999 measuring points with automatic storage of measured value, measuring point, date, time and warning odor yes/no.
- USB interface on the charging station for fast, simple and safe data transmission to the PC.
- Battery charge indicator.

We sense good chemistry ...



Technical Data:

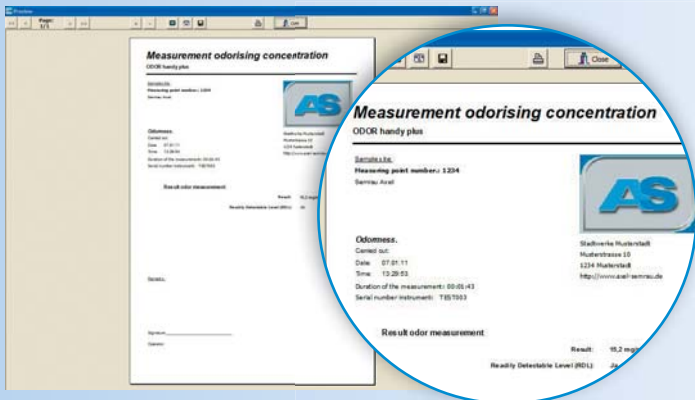
- Integrated H₂S and dust trap
- ATEX approval
- Dimensions approx. 7.1 x 2.3 x 1.34 inch (180 x 58 x 34 mm)
- Weight approx. 1 lb (450 g)
- Rechargeable NiMH battery pack 4.8 V
- Charging station 230 V, 115 V, 12 V connections available
- Acoustic and visual alarms
- Calibration with gas
- Inlet pressure 8" H₂O (0.3 psi/22 mbar) or via rotameter up to 145 psi (10 bar)
- Measurement duration: 2-10 min, depending on model
- Four-line, illuminable LCD graphic display
- Operating temperature 14 °F to 104 °F (-10 to +40 °C)
- Menu-guided programming
- Internal memory for 9999 measuring points
- Multi-language menu

Area of application

	THT	TBM	EM	THT	TBM	EM
Measuring range	0-6 lbs/MMCF	0-3 lbs/MMCF	0-5.5 lbs/MMCF	0-100 mg/m ³	0-50 mg/m ³	0-90 mg/m ³
Measuring accuracy +-10%	0.6-1.5 lbs/MMCF	0.1-0.6 lbs/MMCF		10-25 mg/m ³	2-10 mg/m ³	
Resolution of digital display	0.01 lbs/MMCF	0.01 lbs/MMCF	0.01 lbs/MMCF	0.1 mg/m ³	0.1 mg/m ³	0.1 mg/m ³

PC software ODOR handy control

PC software is available for the evaluation and storage of the data. This software has many useful features, such as automatic evaluation functions, search filters and option for the export and import of data. The simple printout of measurement logs and reports makes work much easier.



Software features:

- Import of measured data via the USB interface of the charging station
- Export interfaces to databases, text and Internet formats are available (e.g. xls, csv, db, dbf, txt, doc, rtf, pdf or htm, xml)
- Automatic evaluation functions
- Good search filters
- Simple printout of measurement logs and reports

Please ask for more information!

Axel Semrau GmbH & Co. KG

Stefansbecke 42
 45549 Sprockhövel, Germany
 Tel. +49(0)2339/1209-0
 Fax. +49(0)2339/6030
 info@axel-semrau.de
 www.axel-semrau.de