

μ IMS[®]-ODOR



**Portable Measurement Device to quantify
Gasodor[®] S-Free[®] in Natural Gas**

µIMS-ODOR: The perfect on-site tool to quantify Gasodor®-S-Free® in Natural Gas

The handheld µIMS®-ODOR allows the precise quantification of the sulphur-free Odorant Gasodor® S-Free® in Natural Gas at any measurement point of the gas grid (0-10bar pressure). The instrument is extremely easy-in-use and particularly designed to measure in the relevant concentration range of 4-23 mg/m³. According to the chemo-physical law of the applied Technology within the µIMS®-ODOR there are no interfering components in the natural gas matrix. Thus a high preciseness of +/-2 mg/m³ can be achieved which is secured through the use of a calibration gas.

It takes only one click and approx. 80 seconds to calibrate the device as well as to run a fully automatic measurement circle. Therefore no specially trained staff is required to operate the µIMS®-ODOR.

After finishing a run the measured concentration of Gasodor® S-Free® is displayed on the screen. The value and its interpretation (given by 3 LEDs) as well as the intensity of smell can be stored on the internal memory card of the devise selecting the corresponding location from a list. The PC-Software GASreport that belongs to the scope of supply enables the operator to build up a list of measurement points and administrate them and to further out protocols.

Technical Specification	
Measurement Principle	Ion Mobility Spectrometry
Measurement Range	4-23 mg/m ³
Tolerance	4-20 mg/m ³ : ± 2 mg/m ³ > 20 mg/m ³ : ≥ ± 3 mg/m ³
Display	LCD-Display
Dimensions	345 x 435 x 190 mm
Weight (incl. Accessories)	11 kg
Operating temperature	-10 to +40°C
Loading temperature	0 - 40 °C
Power supply (external)	Rechargeable 100-240V AC * Car kit 12-13,8V DC *
Power (internal)	Lithium-Ion battery 14,4 V / 5,2 Ah
Capacity	> 8h
Status visual via external LEDs	Battery voltage displayed, power supply connected, loading, Battery loaded
Interfaces	RS232 / USB (with Adaptor) *
PC-Software for data evaluation	GASreport *
Natural gas supply	Teflon tube 3mm, metal coated *
Natural gas exhaust	Teflon tube *
Air (drift gas) supply	PTFE 1µm dust filter *

* belonging to scope of supply

