

Oxygen Measuring Instruments  
Systeme zur Messung und  
Regelung von Sauerstoff



## GSM-touch

The GSM-touch oxygen measuring instrument, part of the GSM series, is a mobile oxygen measuring instrument for the highest demands. The GSM-touch's measuring principle is based on a heated zirconium oxide, which generates an oxygen partial pressure using the Nernst principle. The GSM-touch features an integrated sample gas pump and a touchscreen display for displaying the measured oxygen content. All parameters are adjustable for the respective application. The GSM-touch also features an interface for reading the measured H<sub>2</sub> content for calculating the residual oxygen content in reducing atmospheres. A redox function can also be displayed for many metals.

### Technical data GSM-touch

Measuring range	Lin 0 – 100 % Log 10 <sup>0</sup> – 10 <sup>-33</sup>
Measuring speed	T90 < 2 s
Sensor warm-up time	approx. 15 min
Supply voltage	100 – 240 V
Dimensions without handle	approx. 315 x 210 x 75 mm
Weight	approx. 3,5 Kg
Max. sample gas temperature	80 °C
Max ambient temperature	50 °C
Sample gas inlet	for pipe Ø 3 mm

Accuracy table	
At standard temperature and pressure / in N <sub>2</sub>	
Measuring range	
10 ppm	+/- 0.25 ppm
100 ppm	+/- 0.5 ppm
1000 ppm	+/- 2 ppm @ 100 ppm +/- 0.5 ppm @ 10 ppm
1%	+/- 4 ppm @ 100 ppm
25%	+/- 0.03 % @ 1 % +/- 0.02 % @ 0.1 %
100%	+/- 1 % @ 99 %

### Application examples:

- Laboratory measurements
- R & D
- Analytical measurements
- Process monitoring
- Commissioning
- Combustion systems
- Packaging systems

### Product highlights:

- Mobile measuring instrument
- Touch-display
- Adjustable parameters
- mA output
- Lin / Log switchable
- H<sub>2</sub> input
- Graphic display
- BUS-connection
- Data logging via USB
- Pressure compensation

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