

Oxygen Measuring Instruments  
Systeme zur Messung und  
Regelung von Sauerstoff



## GSM basic-touch

The GSM basic-touch oxygen measuring instrument, part of the GSM series, is a universally applicable, mobile oxygen measuring instrument for measuring oxygen. The GSM basic-touch's measuring principle is based on a heated zirconium oxide, which provides an oxygen partial pressure using the Nernst principle. The GSM basic-touch features an integrated sample gas pump and a touchscreen display for displaying the measured O<sub>2</sub> content.

### Technical data GSM basic-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. 5 min
Supply voltage	100 – 240 V
Dimensions without handle	approx. 220 x 170 x 90 mm
Weight	approx. 2,3 Kg
Max. sample gas temperature	80 °C
Max ambient temperature	50 °C
Sample gas inlet	for hose Ø 6/4

### Application examples:

- Commissioning
- Reference measurements
- Laboratory measurements
- Analytical measurements
- Soldering systems
- Welding systems
- Combustion systems
- Packing systems

Accuracy table	
At standard temperature and pressure / in N <sub>2</sub>	
Measuring range	
10 ppm	+/- 0.5 ppm
100 ppm	+/- 1 ppm
1000 ppm	+/- 3 ppm @ 100 ppm +/- 1 ppm @ 10 ppm
1%	+/- 5 ppm @ 100 ppm
25%	+/- 0.03 % @ 1 % +/- 0.02 % @ 0.1 %
100%	+/- 1 % @ 99 %

### Product highlights:

- Mobile measuring instrument
- Touch-display
- Adjustable limit values
- Adjustable measuring range
- mA output
- Lin / Log switchable
- Graphic display
- Simplified version of the GSM-touch

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