Gas Analyzer
Smart O$_2$

The gas analyzer Smart O$_2$ has been developed and designed for the reliable and efficient online measurement of oxygen.

usage

The Smart O$_2$ is used for continuous and precise oxygen measurement in industrial processes.
The analyzer can be integrated into almost any process.
Exceptions:
Mixtures with silicones, fluoro carbon, sulfur oxides or hydrogen, explosive gas mixtures

advantages

- directly measured value display
- high efficiency
- continuous
- long-term stability
- low calibration effort
- low costs for maintenance/service
- compact case

fields of application

- chemistry
- air quality monitoring industry
- food industry
- biogas
- pharmaceutical industry
- recycling
- environment

Made in Germany

We are your competent partner for gas measurement applications.

Our analyzers are developed and produced exclusively in Germany.

Authorized Distributor

GasDetectorsUSA.com
Houston, Texas USA
sales@GasDetectorsUSA.com
832-615-3588

Gas Analyzer
Smart O$_2$

technical data

model:	Smart O$_2$
measuring input:	internal: 1 (standard), expandable up to 4
measuring technology:	zirconium oxide sensor
measuring range::	0 – 5 % vol / 0 – 50.000 ppm
	0 – 25 % vol / 0 – 250.000 ppm
	5 – 95 % vol / 5 – 950.000 ppm
error of measurement:	+/- 0.5% per year from upper range value
detection limit:	+/- 0.5% from upper range value
pressure compatibility:	300 mbar – 1,5bar
gas flow:	high flow: 4,0 l/min
internal gas lane:	PTFE
internal filters:	sintered metal filter 15 µm
	PE filter 5 µm
tube connectors:	pipe fitting (6 mm off-site, 4 mm in-site)
climatic conditions:	ambient temperature 5 °C – 45 °C / 41 °F - 113°F /
	relative humidity ~ 90 %, dew free
supply voltage:	~ 230 V / 50 Hz
case:	w-310 mm x h-133 mm x d-221 mm, 3 kg
display:	128 x 64 touch panel
operation:	resistive touch panel
electrical inputs:	4 digital inputs 24 V AC/DC
electrical outputs:	1 digital output "ready" (relay) max. 48 V / 500 mA
	1 digital output "fault" (relay) max. 48 V / 500 mA
	4 digital outputs (relay) max 48 V / 500 mA
	optional 4 analog outputs (galv. separated) 4-20
	mA, individual programmable
interfaces:	standard RS 232
	optional: Analog 4-20 mA, Profibus DP, Ethernet
	Modbus TCP, Ethernet IP, Profinet
operational availibility:	heat-up 120 seconds (at 20 °C)