

Gas Analyzer

GA 210 O₂ paramagnetic

The gas analyzer 210 O₂ has been developed and designed for the fast and easy online Oxygen measurement in process gases.



usage

The GA 210 O₂ is used to monitor the process of inerting explosive gases for example: refrigerator recycling. The GA 210 O₂ meets all legal-, technical-, safety- and control related requirements.

advantages

- directly measured value display
- measuring principle paramagnetic
- continuous measurement
- high long-term stabilities
- low calibration effort
- low costs for maintenance and service

fields of application

- chemistry
- recycling
- environment
- monitoring
- verification
- pharmaceutical

Made in Germany

We are your competent partner for gas measurement applications.

Our analyzers are developed and produced exclusively in Germany.

Contact

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Gas Analyzer
GA210 O₂ paramagnetic

technical data

model:	Gas Analyzer 210 O ₂ paramagnetic
measuring inputs:	1 + 2 calibration inputs (nitrogen, oxygen)
measuring technology:	paramagnetic cell
measuring range:	0 – 25 Vol. % / 0 – 250.000 ppm 0 – 50 Vol. % / 0 – 500.000 ppm 0 – 100 Vol. % / 0 – 1.000.000 ppm
error of measurement:	< 5.000 ppm of measured value per week
detection limit:	1.000 ppm, zero point drift < ± 1.000 ppm O ₂ /week
cross-sensitivity correction:	none
pressure compatibility:	fixed pre-pressure, constant
gas flow:	measuring cell: ca. 100 ml/min / 3.52 oz/min over bypass total: ca. 4 l/min / 140.78 oz/min
internal gas lane:	PTFE or stainless steel
internal filter:	internal: stainless steel sintered filter front: teflon filter with sight glas
tube connectors:	pipe fitting (6 mm off-site, 4 mm in-site / 0.27" off-site, 0.16" in-site)
gas processing:	miscellaneous sample gas filter, gas dryer required
climatic conditions:	ambient temperature 5°C - 45°C / 41° - 113°F / relative humidity ~ 90 %, dew free
supply voltage:	~ 230 V / 50 Hz, 1.43 A / 330 VA
case:	19 " slide-in, 400 mm / 15.75 inch depth, IP 20
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 / 500mA 1 digital output "fault" (relay) max. 48 V / 500mA 4 digital outputs (relay) max 48 V / 500mA optional 4 analog outputs (galv. separated) 4-20 mA, individual programmable
interfaces:	standard RS 232 optional: Profibus DP, Ethernet Modbus TCP, Ethernet IP, Profinet
operational availability:	heat-up max. 30 min. (at 20°C / 68°F)