

Gas Analyzer GA 210

The gas analyzer 210 has been developed and designed for the fast and easy online measurement of gases where no further interference components are to be expected and low detection limits are required.



usage

The GA 210 can be integrated into any control system and meets all legal-, technical-, safety- and control related requirements. The GA 210 is available in multiple versions for various gases!

advantages

- directly measured value display
- measuring principle NDIR | EC
- high long-term stabilities
- low calibration effort
- low costs for maintenance/service
- transportable

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

Fresenius Umwelttechnik GmbH
Doncaster-Platz 5
45699 Herten

Tel.: +49 (0) 2366 / 93 96 1 -10
Fax: +49 (0) 2366 / 93 96 1 -16
Mail: info@fresenius-ut.com
Web: www.fresenius-ut.com

Gas Analyzer
GA210

technical data

model:	Gas Analyzer 210
measuring inputs:	1 internal (standard), expandable up to 8 external: without limitation
measuring technology:	IR: NDIR one beam principle, cuvette heated up to 80°C / 176° F, EC: electrochemical reaction process
number of measurable gases:	NDIR 1 or EC 1
error of measurement:	depending on substance < 1 – 3 % of measured value
detection limit:	depending on gas type
cross-sensitivity correction:	none
pressure compatibility:	compensated, standard 0.7 to 1.1 bar / 10.15 to 15.95 psi (pressure of process gas)
gas flow:	ca. 4 l/min / 140.78 oz/min
internal gas lane:	PTFE or stainless steel
internal filter:	stainless steel sintered filter
tube connectors:	clamp-screw connectors (standard)
gas processing:	miscellaneous possible: e.g. sample gas filter, condensate trap, gas cooler, gas dryer, humidity sensor
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)