

Gas Analyzer GA 220

The gas analyzer 220 has been developed and designed for the fast and easy online measurement of gases where mutual interference of different gas components are to be compensated and low detection limits are required.



usage

The GA 220 may be integrated in almost any control system and meets all legal-, technical-, safety- and control related requirements.

advantages

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

fields of application

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

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 GA220

technical data

model:	Gas Analyzer 220
measuring inputs:	internal: 1 (standard), expandable up to 8, external: without limitation
measuring technology:	IR: NDIR one beam principle, cuvette heated up to 80°C / 167°F, EC: electrochemical reaction process
number of measurable gases:	IR 1-3 + EC 1-3
error of measurement:	depending on gas type
detection limit:	depending on gas type
cross-sensitivity correction:	up to 3 IR substances
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)