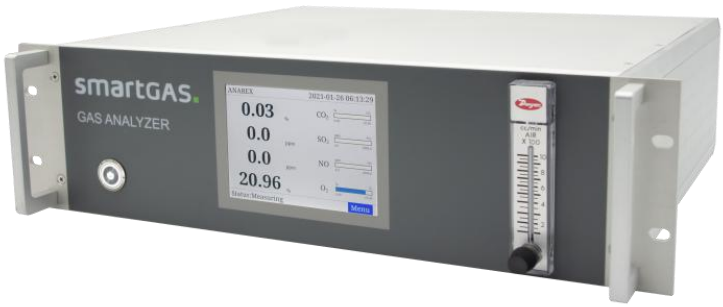
GERMAN TECHNOLOGY

ANAREX (-DS) 2.0

Multigas Analyzer
#2-N21-N22-T51-N04
CO_2 30Vol.% / CO 10Vol.% / H_2 100Vol.% / CH_4 2000 ppm

Product features:

- High stable measuring performance
- Easy operation via touch screen
- Simple sensor calibration
- Standard 19 inch 3HE rack
- Analog and digital output
- Low maintenance and high durability
- High selectivity and measuring accuracy
- Long-term stability and very low drift
- Low detection limit and T90 time



The **ANAREX** product family impresses with its stable high-precision measuring performance, intuitive operation and easy calibration. Designed as a 19-inch multi-gas analyzer, the **ANAREX** is available even with two gas streams as **ANAREX-DS** (double stream) as two in one solution. **ANAREX** gas analyzers are primarily based on the NDIR sensors of the **FLOW^{EVO}** and **SILAREX** series, however, they can be supplemented with several technologies like NDUV, TCD, TDLS, EC,PID, paramagnetic and photoacoustic as well as several other.

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ANAREX 2.0 #2-N21-N22-T51-N04 CO_2 30Vol.% / CO 10Vol.% / H_2 100Vol.% / CH_4 2000ppm

General features

Release date: 31 Mar 2025

Multi Gas Analyzer		
Gas Streams:	1	
Gas supply:	Flow Mode 1/8“ NPTF	
Mounting dimensions:	Standard 19“ 3 U	
User Interface:	Touch panel, 5.6” TFT	
Gas Inlet Flow	0.4 .. 0.8 L/min (Flow fluctuations ≤0.02 L/min)	
Inlet Gas Temp.	5 .. 35 °C	
Inlet Gas Pressure	116 kPa (max)	
Moisture in Gas	inlet gas dew point： 5 °C ±0.1 °C	
Dust in gas flow	100 µg/m³, ≤ 1µm	
Warm-up time (full specification):	< 30 minutes	
Flow Meter	1	
Internal Gas Tubing	PU (certified)/ Other on Request	
Zero Calibration Gas	Stream 1 : Nitrogen	Stream 2 : -/-
Span Calibration Gas Background	Stream 1 : Nitrogen	Stream 2 : -/-

Measuring*

Response time (t90)**: < 30 s

Gas		Technology	Range	Linearity Error	LDL (3 σ)	Display	C.C**	P.C***
1	CO2	NDIR	0 .. 30 Vol.%	±1 %[FS]	<±0.5 %[FS]	XX.x	-/-	-/-
2	CO	NDIR	0 .. 10 Vol%	±1 %[FS]	<±0.5 %[FS]	XX.x	-/-	-/-
3	H2	TCD	0 .. 100 Vol.%	±1 %[FS]	<±0.5 %[FS]	XXX.x	2	-/-
4	CH4 (CnHm)	NDIR	0 .. 2000 ppm	±1 %[FS]	<±0.5 %[FS]	XXXX	-/-	-/-
5								

Cross sensitivities****

Electrical parameters

Supply voltage:	198~242V AC, 50/60 Hz
Power Connector	EN60320 C1
Case Protection Level	IP42 (EN60529)
Package Dimensions	577mm*512mm*255mm

Climatic conditions

Operating temperature:	5 °C .. 45 °C
Storage temperature:	-20 .. + 60 °C
Air pressure:	760 .. 1160 hPa
Ambient humidity:	0 .. 95 % relative humidity (not condensing)

Accessories to be ordered separately :

Power Cable	Refer to the requirement of country
Gas Connections (one Set : Inlet/Outlet)	Stainless Steel: 1/8" 1/4“ 10mm 6mm | Rubber Tube: 6mm | PTFE: 6mm

* Typical values related to 1013 hPa, Ta = 22 °C, flow = 0.7 L/ min for dry (not condensing) and clean sample gas.
Stated values exclude calibration gas tolerance.

** C.C : Internal Cross compensated by other gas

*** P.C : Pressure compensated

**** If cross sensitivities are listed it is not limited to the list. Application based the back ground gas need to be confirmed

For more information, please visit www.smartgas.eu or contact us at sales@smartgas.eu

Please consult smartGAS sales for parts specified with other temperature and measurement ranges. At first initiation and depending on application and ambient conditions re-calibration is recommended. Recurring cycles of re-calibration are recommended.

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