

GERMAN TECHNOLOGY



## ANAREX (-DS) 2.0

Multigas Analyzer  
#2-D04  
CH<sub>4</sub> 100 ppm

### Product features:

- High stable measuring performance
- Easy operation via touch screen
- Simple calibration
- Standard 19 inch 3HE rack
- Analog Isolated (0)4..20mA Interface
- Digital RS232 and RS485 Interface
- Low maintenance and high durability
- High selectivity and measuring accuracy
- Long-term stability and very low drift
- Low detection limit and T90 time
- Auto-Calibration Mode
- Isolated Digital Inputs
- Potential free Digital Outputs



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<sup>EVO</sup>** 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.

## ANAREX 2.0 #2-D04 CH<sub>4</sub> 100 ppm

### General features

Release date: 10 Aug 2025

Gas Streams	1
Flow Meter	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/m <sup>3</sup> , ≤ 1µm
Warm-up time (full specification)	< 30 minutes
Internal Gas Tubing	PU ( certified )   other on Request
Analog Interface	(0)4..20mA each gas   Resistance 250..350Ω   Isolated 3kV(rms)
Digital Interface	RS232   RS485   Digital Inputs Isolated 3kV(rms)   Outputs potential free
Zero Calibration Gas	Stream 1 : Nitrogen                      Stream 2 : -/-
Span Calibration Gas balance	Stream 1 : Nitrogen                      Stream 2 : -/-

### Measuring\*

Response time (t <sub>90</sub> ) @ 0.7 l / min:		≤ 20 s						
Gas	Technology	Range	Linearity Error	LDL (3 σ)	Display	C.C**	P.C***	
1 CH <sub>4</sub>	Laser Module	0 ... 100 ppm	±1 %[FS]	<±0.5 %[FS]	XXX.x	/	no	
2								
3								
4								
5								
Cross sensitivities****								

### Electrical parameters

Supply voltage / Power Connector	198~242V AC, 50/60 Hz or 88~132V 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 and Mains Voltage :	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, T<sub>a</sub> = 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

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For more information, please visit [www.smartgas.eu](http://www.smartgas.eu) or contact us at [sales@smartgas.eu](mailto: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.