



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^{EVO}** and **SILAREX** series, however, they can be supplemented with several technologies like NDUV, TCD, TDLS, EC,PID,UVDOAS, paramagnetic and photoacoustic as well as several other.

ANAREX 2.0 #8-T61 Ar 100 Vol.%

General features

Release date: 05 Jun 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 ³ , ≤ 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 : Oxygen 100 Vol.% Stream 2 : -/- |
| Span Calibration Gas balance | Stream 1 : Argon 100 Vol.% Stream 2 : -/- |

Measuring*

| Response time (t90) @ 0.7 l / min: | | ≤ 20 s | | | | | | | |
|------------------------------------|------------|-----------------|-----------------|--------------|---------|-------|--------|---------------------------|--|
| Gas | Technology | Range | Linearity Error | LDL (3 σ) | Display | C.C** | P.C*** | | |
| 1 Ar | TCD | 0 ... 100 Vol.% | <±1 % [FS] | <±0.5 % [FS] | XXX.x | / | no | O ₂ Background | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 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

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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 recalibration is recommended. Recurring cycles of recalibration are recommended.