

▶ MICRO SF₆ ANALYSER

ALY101-05-S

DESCRIPTION

- Up to **3 different measurable parameters** to verify the purity of the gas according to the CEI EN 60480: SF₆, SO₂ and dew-point
- **Accurate and quick analysis**
- **Downloadable data** on USB stick
- The **absence of SF₆ gas leaks** is guaranteed by a closed-loop system
- Special external **flexible bag** for gas storage
- The gas analysed and stored within the analyser can be safely returned to the compartment via the **pump-back function**



NEW FEATURES

- **Effortless Maintenance:** quick and easy plug-and-play sensor replacement. Performable independently on-site, with no need to return the unit to the manufacturer.
- **Portable:** it is half lighter and half smaller than traditional analysers, making it effortless to carry and transport.
- **Flexible:** no built-in battery. Use your own power bank for on-site operations, making the analyzer completely airline-friendly for international travel.
- **Smart:** seamlessly monitor and control your analyses via your smartphone or tablet, offering real-time data access and improved workflow efficiency (optional).



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TECHNICAL SPECIFICATIONS

- ⚙️ DIMENSIONS: Length: 366 mm - Width: 464 mm - Height 176 mm
- ⚙️ WEIGHT: 14 kg
- ⚙️ OPERATING VOLTAGE: 24V DC
- ⚙️ MAX OUTLET PRESSURE DURING PUMP-BACK FUNCTION: 10 bar
- ⚙️ MAX INLET PRESSURE: 35 barg
- ⚙️ MIN INLET PRESSURE: 1,2 barA (0,2 barG)
- ⚙️ DATA OUTPUT: via USB memory stick
- ⚙️ DISPLAY: 7" TFT

STANDARD EQUIPMENT

SF₆ sensor (infrared)
NDIR technology
Resolution: 0,01 Vol. %
Accuracy: ± 0,5 Vol. %

Dew-point sensor
Measuring range: -80°C ... +20°C
Accuracy: ± 2°C from +20°C to -40°C
± 3°C from -40 to -60° C

SO₂ sensor (electrochemical)
Nominal range: 0-100 ppm*
Resolution: <0.1 ppm
Accuracy: ± 2%
Longterm stability: < 2% per month

Storage temperature: -10° ÷ +60°C
Operating temperature: -10°C ÷ +50°C

Connection: DN20 Synecom valve - quick coupler

Connection: DN8 Synecom valve - quick coupler

6 m hose with quick couplings

Transport case

USB-C to Jack 5.5mm adapter

*also available 0-20 ppm, 0-500 ppm, 0-2000 ppm



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OPTIONAL ACCESSORIES

- ☆ **ALY104-01:** Gas recovery bag
- ☆ **ALY103-01:** Pressure reducer for gas analysis in cylinders
- ☆ **TBS105-03:** 6 m hose for analysis
- ☆ **VAL102-01:** DN8 SF₆ Adapter Kit
- ☆ **VAL103-01:** DN20 SF₆ Adapter Kit

CERTIFICATES ISSUED

- 📄 Certificate of CE conformity
- 📄 Certificate of calibration for sensors
- 📄 Helium Leak Test Certificate (performed by qualified technicians UNI EN ISO 9712 - SNT TC1A)

PROVIDED DOCUMENTS

- 📄 Operating Manual
- 📄 Datasheet for suitable powerbanks

