

DILO Company, Inc.

3-038R-R303 SF₆ Multifunction Analyzer



The 3-038-R303 Multifunction Analyzer is the latest addition to the 3-038 series devices. The new model includes a color touch screen and an integrated recovery system allowing zero emissions testing. Via onboard storage vessel and compressor the test gas is captured and pumped back into the switchgear. Like the other 3-038 analyzer, this device is able to test SF₆ purity (vol %), moisture content, and byproducts (SO₂). The user can select pass/fail values for the gas being tested, as well as, the units of measure (details in key features) and save up to 100 test results and names (dates and time are stored automatically).

Accessories:

- Transport case
- 6 m long connecting hose with DILO couplings DN 8 and DN 20
- Power plug with 2 m long connecting cable
- USB stick with data file for evaluation and reading out of measured data
- Operating instructions



Technical Specifications

Input pressure: 5 PSI to 130 PSI
Power supply: 90 - 264V / 50 - 60Hz / 10 A
Operating temp: 32°F to 104°F
Dimensions: 11.7"H x 19.7"W x 24.6"D, 73 lbs.

Purity (Vol %) Specification

Measuring range: 0-100%
Accuracy: ± 1 vol.%
Response time: <2 minutes
Flow rate: .3-5 liters per hour

Moisture Specification

Measuring range: -60 - +10°C
Accuracy: ±2°C (at >-40°C)
± 3°C (at < -40°C)
Response time: <5 minutes
Flow rate: 16-17 liters per hour

Decomposition Specification

Measuring range: 0-500 PPM_v SO₂
Display: PPM_v
Accuracy: ± 2% from measuring range
Response time: <20 seconds
Flow rate: 1-3 liters per hour
Sensor Life: 6 months when storing in protective foil
24 months operating life in air

Key Features:

- 5.7" color touch panel
- Indication of SF₆ concentration in volume percent
- Indication of moisture concentration in dew point °C or °F, referred to atmospheric or input pressure, reversible to indication in ppm_v, ppm_m
- Indication of SO₂ concentration in ppm_v
- Input pressure indication in bar p_a or p_e, psi, kPa, MPa
- Transfer of measured data to USB stick or PC
- Very easy handling by exchange of the modules for calibration
- Automatic identification of the residual lifetime of the sensors
- Setting of limit values for volume percentage, dew point temperature, SO₂ and HF
- Menu item in German, English, French, Spanish and Italian
- All measurements taken at Atm. pressure