MIR 9000

MULTI-GAS **NDIR-GFC ANALYZER**

envea
Elevating standards. For life.

Ideal for highly soluble and corrosive gases, the MIR 9000 is a highly accurate emissions monitoring analyzer, measuring up to 10 parameters simultaneously

FEATURES AND BENEFITS

- Simultaneous measurement of up to 10 parameters from: HCl, HF, NO, NO_2, N_2O, SO_2, CO, CH_4, TOC, CO_2 and O_2.
- Non-Dispersive Infrared Gas Filter Correlation technology
- Automatic cross interference correction
- Intrinsic security based on residual H_2O measurement
- Excellent stability with automatic optical stability check
- Remote access for maintenance and data recovery
- Optional Flow, Temperature & Pressure calculation when associated to compatible sampling system
- Over 4.000 installations worldwide, in a wide range of applications and industries
- QAL1 certified Automated Measuring System by TÜV and MCERTs



COMPLIANT WITH:
QAL 1 EN 15267-3
QAL 3 EN 14181

MCERTS
Sira MC 020010/13

TÜV Rheinland
NO.0000024158-02

40 CFR 60 & 75

MIR 9000

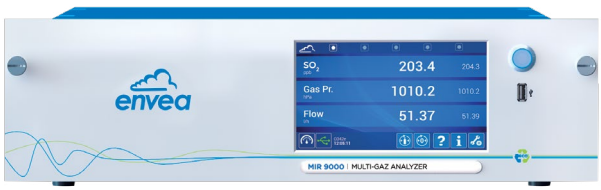
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TECHNICAL **SPECIFICATIONS**

Repeatability	<2% of Full Scale (F.S.)
Zero drift	<2% F.S. / 30 days
Span drift	< 1% F.S. / 7 days
Linearity	< 1% F.S.
Power supply	80-230V, 50-60 Hz
Energy consumption	300 VA
Serial link	RS232, RS 422
Communication	TCP IP / Ethernet RJ45
Operating temperature	+5°C to +40°C
Version tight box (without CLD or ASD)	Dim.: 200x400x600 mm (DxWxH) Weight: 24 Kg
Version 19" Rack (without CLD or ASD)	Dim.: 490x483x177 mm (DxWxH) Weight: 14 Kg

- Sample extraction probe (with or without integrated temperature, pressure and flow measurement)
- SEC® sampling system (permeation based) or gas cooler
- Sample lines
- Multiplexing system (MVS)
- Automatic calibration units (TIG)
- Instrument air drying system (MDS)
- Rack cabinet, cubicle or shelter integration
- WEX™ data acquisition, management & environmental reporting software (DAHS)



MIR 9000 - 19" rack version

LOWEST/HIGHEST **STANDARD RANGES**

HCl	0-15 / 5000
HF	0-20 / 300
NO	0-100 / 5000
NO_2	0-100 / 1000
NOx	0-200 / 5000
NOx (CLD)	0-20 / 2000
N_2O	0-20 / 1000
SO_2	0-75 / 5000
CO	0-75 / 10000
CH_4	0-10 / 1000
TOC	0-50 / 5000
CO_2	0-10 / 100%
O_2	0-10 / 25%

Expressed in mg/m³ or % when indicated. For other gases, please contact us.

MAIN **OPTIONS**

- Pressure, temperature & gas velocity measurements (DTP)
- Analog outputs: 0-1/10V - 4-20 mA programmable
- Chemiluminescence (CLD) module for low concentrations of NO, NOx & NO_2
- UV absorption module (ASD) for SO_2 selective and dynamic measurement
- Built-in Paramagnetic or Zirconia cell for O_2 monitoring
- NOx converter (external)
- Highly versatile, the analyzer is available in 4U, 19" Rack or Tight box enclosures to fit your application

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MIR 9000 Datasheet
MIR 9000 multi-gas NDIR-GFC analyzer
Specifications subject to change without notice.

ISO 45001:2018
ISO 14001:2015
ISO 9001:2015
CERTIFICATION