

THE MIR 9000P

belongs to the new generation of ENVEA gas monitors, showcasing eco-design, IoTs and on-board intelligence. It measures simultaneously 8 gases and uses the non-dispersive infrared method with gas filter correlation (NDIR-GFC). O_2 is measured by a SRM built-in paramagnetic sensor.

The analyzer has been designed to meet the specific needs of on-site regulatory measurement providing superior mobility, robustness, accuracy and compliance.

All this makes up for a unique gas emission monitor offering high productivity and low operational cost.



- > Built-in vibration absorber ensures measurement cell protection and stability
- > Extended operating temperature ranges
- High protection (IP 44) against water splashing from any direction



IP44





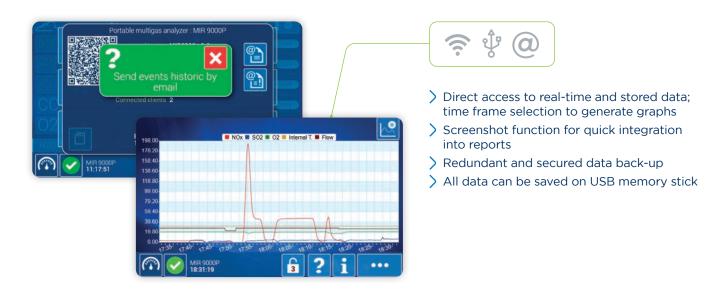


QUICKINSTALLATION

- > Warm-up time: 30 min maximum
- > Robust gas connectors
- > Self-adaptive measuring scales
- Compatible with most sampling systems on the market



PREPARE REPORT ELEMENTS WHILE ON SITE





SYSTEM & ACCESSORIES









MIR 9000P

Gas conditioning unit

TECHNICAL SPECIFICATIONS		
Measured gases	SO ₂ , NO or NOx, CO, CO ₂ , N ₂ O, CH ₄ , O ₂ and residual H ₂ O	
Measuring units (programmable)	ppm, mg/m³ or % vol.	
Parameters	Typical measuring ranges	
SO ₂	0/143*/2000*/8600 mg/Nm ³	0/50*/700*/3000 ppm
NOx as NO (after NOx converter)	0/70*/2000*/3300 mg/Nm ³	0/50*/1500*/2500 ppm
NOx as NO ₂ (after NOx converter)	0/107*/3100*/5000 mg/Nm ³	
CO	0/70*/3000*/8000 mg/Nm ³	0/60*/2500*/6500 ppm
CO ₂	0-20/30% vol.	
N ₂ O	0/50/150*/450*/980 mg/Nm ³	0/25/75*/225*/500 ppm
CH ₄	0/50/100/300/3600 mg/Nm ³	0/70/140/400/5000 ppm
O ₂	0-10/25% vol. Measured by a built-in paramagnetic sensor	
Residual H ₂ O	0-2% vol.	
Repeatability	±2%	
Zero drift	±2% / 30 days	
Span drift	±2% / 30 days	
Linearity	±1% of Full Scale	
Resolution	< 0.1 ppm (CO ₂ : < 0.1%)	
Response time	1 minute as standard, programmable	
Dimensions (L x H x D)	641 x 393 x 209 mm	
Weight	15 kg / 33 lbs	
Protection class	IP 44 (case closed)	
Operating temperature	+5 to +40°C	
Power supply	100-250VAC, 50/60Hz + ground	
Energy consumption (except accessories)	Preheating: 120 W / 160 VA Measurement: 60 W / 75 VA	
Sample flow-rate	$6.66 \times 10^{-6} \mathrm{m}^3/\mathrm{s}$ (0.4 l/min.)	
Display & Control	Color touchscreen, TFT LCD 7", resolution: 800(RGB) x 4480	
Internal storage of measurement data	1 year for 1 minute data/ 1 month for 5 sec	
Standard I/O	3 x USB ports type A: 2.0 (compatible 3.0) 1 x RJ45 (MODBUS TCP, MODBUS RTU (dongle) UDP Protocol) WiFi (via USB) Analog input: 0-250 mV or 0-1 V	
Connectivity	iOS, Android : via IP address or free ENVEA Connect™ App Computer (via any browser,TCP/IP)	
Options I/O	 8 non-isolated analog outputs (0-1 V, 0-10 V, 0-20 mA, or 4-20 mA), with common ground and user programmable scales 8 non-isolated analog inputs 0-2.5 V 8 isolated digital inputs 12 digital outputs by potential free relay 	
Battery	Type: AA 2800 mAh (min. 2650 mAh) NiMH 1,2 V x 20	
System accessories	 Portable gas sample probe electrically heated with calibration gas feeding. Portable sample conditioning system equipped with high-performance Peltier gas cooler. Heated sample line with multi-pin plug on-off electronic temperature controller. 	



Tested AMS Regular Surveillance

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