EZNOx® II HCLD NOx/O2 MONITORING PROBE

The EZNOx® II use the IMO MARPOL, EU and US-EPA standard reference method for NOx detection – Chemiluminescent.

The EZNOx® II NOx monitoring probe has its roots in the old well-proven OXYDAN®DPIII dilution probe manufactured since the 1980´s (Test report T 2598 K 93 published by WIB, February 1993)

The EZNOx® II is a standalone unit which only needs connection of power and instrument air to be ready for monitoring NOx and Oxygen in an exhaust duct/ stack.

The EZNOx® II many interface possibilities makes it easily integrate able in a wide range of OEM applications, such as engine manufactures control systems, SCR DENOX process control and in a wide range of power plant and shipboard monitoring and control systems.

With the EZNOx® II automatic self verification capabilities is the unit a simple "Fit and Forget" monitor and in combination with the EZSWAP maintenance program the monitor with the lowest total cost of ownership on the market today.

- ZERO VELOCITY FILTER
- AUTOMATIC SPAN / QAL 3. OPTION
- COMPLETE NOx/O2 TRANSMITTER

- NO MOWING PARTS (MINIMUM OF MAINTENANCE)
- CRITICAL SAPPHIRE SAMPLE ORIFICE
- PORTABLE AS WELL AS FIXED CONTINUOUS
- EZSWAP MAINTENANCE

- IMO MARPOL ANNEX VI 2008 NTC
- SCR DENOX CONTROL
- CEM Continuous Emission Monitoring
- Diesel Engine
- Gas Turbine emission
- CEMS Back-up

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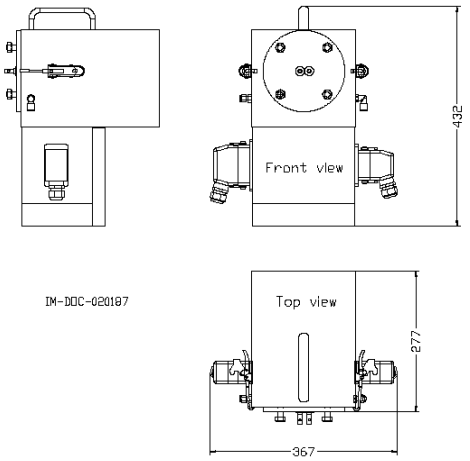
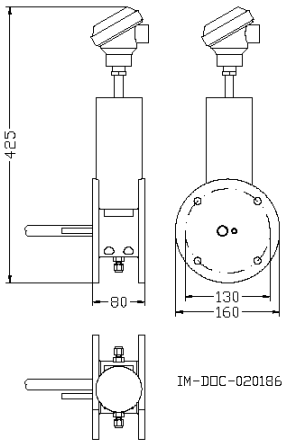
Product specifications

Model	EZNOx® II			
Application	Exhaust gas monitoring			
Sample gas collecting method	Closed loop sampling probe, gas returned to exhaust / stack after analyzing, no sample tubes, lines or pump required. Probe temperature controlled @ 200°C			
Components	NO / NOX, and O2			
Analyzing method	**NO / NO_X**	**O_2**	**CO2**	
	Heated Chemiluminescent HCLD	Zirconia ZrO2 ZRDO	Calculated based on Carbon content in fuel and O2%	
Measuring range	0 – 100 ppm to 0 – 2500 ppm	0 – 0,5 % to 0 – 25 %		
Response time	Td + T_{90} approx 5 sec			
Repeatability	± 1% FS			
Zero drift	< 1% FS			
Span drift	< 2% FS / 7 days (optional automatic SPAN control correction EN14181 QAL 3. verification)			
Noise	< ± 1%			
Linearity	< 1%			
Interferences	**NO / NO_X**	**O_2**	**CO_2**	
	None known Standard Reference Method	*1:1 Combustible*	*Calculated based on carbon content in fuel and O2 concentration*	
Sample gas flow	50 cc/min. to 800 cc/min. range dependable			
Sample gas temperature	STD 500°C Optional 1200°C with ceramic sample pipe 200 mm stand-off			
Heated filter	Zero Velocity Filter Technique pore diameter 2.7µm			
NOx converter	Maintenance free SS converter			
Sample gas pressure	0 – 30 Kpa			
Instrument air	-20°C dew point, Oil free max. 0,03µg/Nm^3			
	EZNOX Probe		**GTC-Flange**	
Ambient temperature	-5 to 60°C		Max. 100°C	
Weight	15 kg		7 kg	
Dimension				
Power supply	230 VAC 50/60 Hz			
Consumption	300 VA			
Outputs analog	4 – 20 mA / 0 – 10 V DC			
Outputs digital	RS232 / RS485 / CAN (optional)			
Status signal	Open collector			
Approvals	Marine: *DNV Type Approval Certificate No.: A-11459 & Type Examination Certificate No.: A-11461*			

Subject to change without notice