

INERT GAS / COMBUSTION GAS OXYGEN ANALYZER / ANALYZING SYSTEM

Non-Combustion Gas Usable & Combustion Gas Usable



OXAGEN VHYGASIK
OY-Z-IG

OXUS



OXUS headquarter; South Korea

Oxygen Solution Research & Manufacturing
Specialized Company

OXUS

Since established in 1999, OXUS has inevitably validated the oxygen analysis equipments while developing the high efficiency PSA(Pressure Swing Absorption) process and Modularity technology accumulated through the continuous research into the products of various fields. With the knowhow verifying the performance of the oxygen analysis equipments intended to apply to a design and under the quality control system that has been applied to PSA processing devices, was completed as oxygen analyzer OA-Z-IG through the 2012 national policy projects.



OXUS America in Michigan



OA-Z-IG Oxygen Analyzer

Certified under the M.E.D.

OA-Z-IG has acquired MED certification from the Korea Register and holds EC type examination (Module B) and EC quality system assessment (Module D) certification for fixed oxygen analysis equipment.

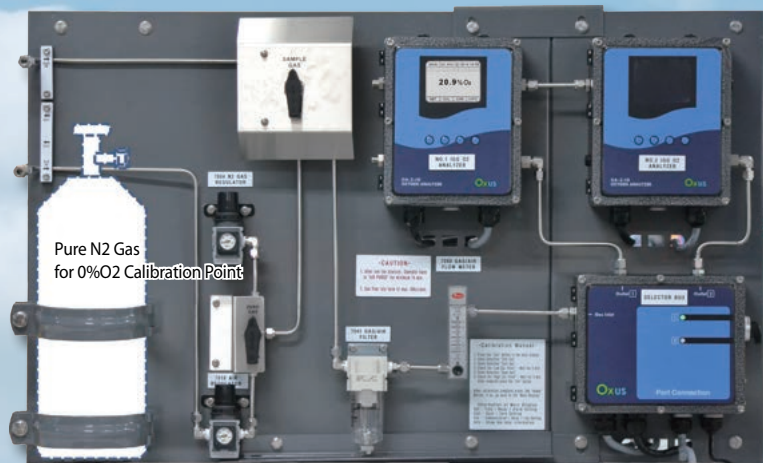
Zirconia Oxygen Sensor

Zirconia oxygen sensor, that has lower measurement error due to the flow velocity and semipermanently usable, has been adopted. In addition, the typical lambda sensor type that has excellent durability against the combustion gas and limit-currenting type that has a stable output with lesser drift can be selectively applied.

Easy Operation System

Through the operator-centered simplified software interface design, it has been developed to learn the operating method easily even for the beginners.





OA-Z-IG Oxygen Analyzing System(Dual type)

❖ Analyzing System

Products are suppliable in Panel Mount Type and Oxygen Analyzing System for the sake of ensuring stable performance for a long time and operational conveniences. There are two types, one is single type onto which only one analyzer is mounted and the other is dual type onto which a spare analyzer is additionally mounted. In case of dual type, a selection box that comprises directional control valve and selector switch will be mounted additionally.

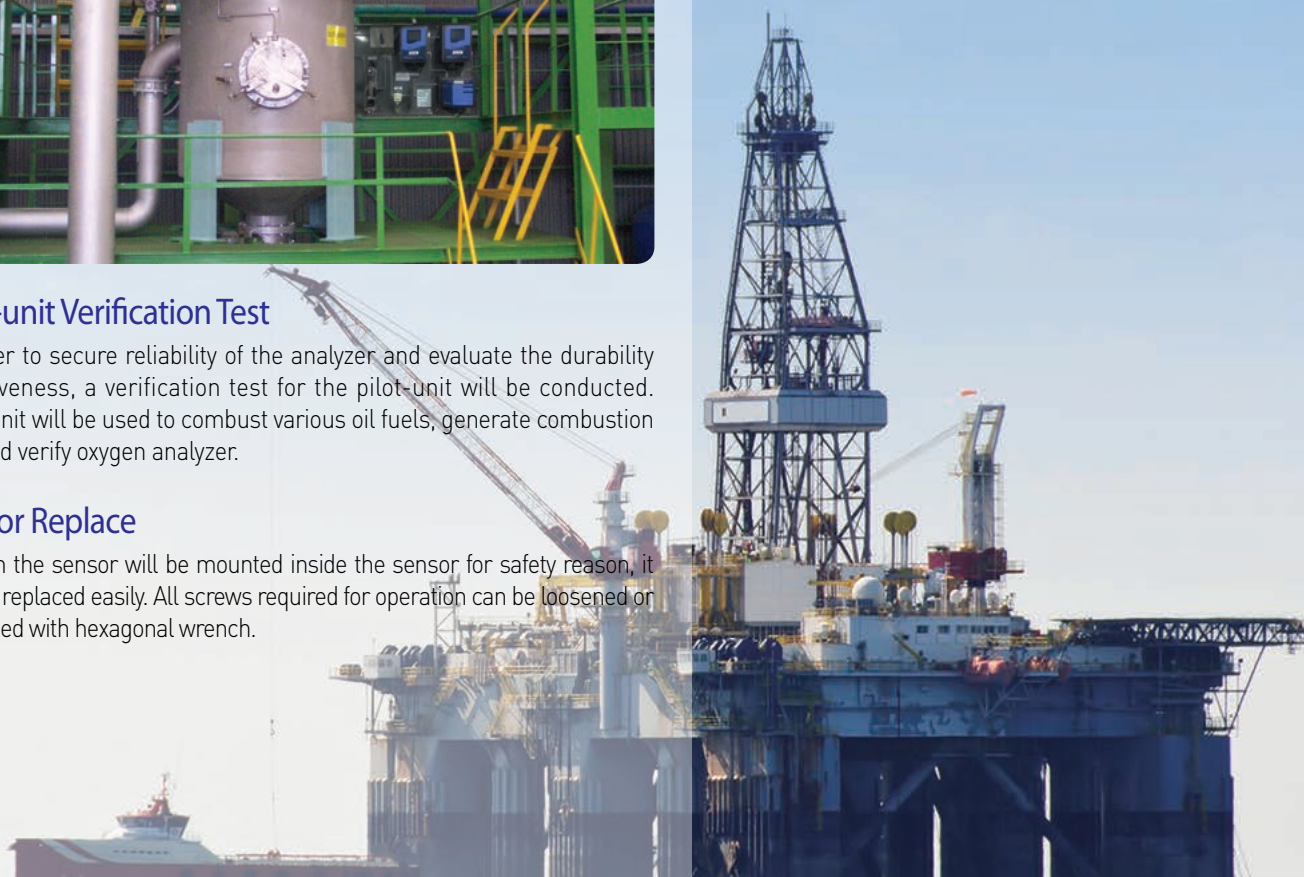


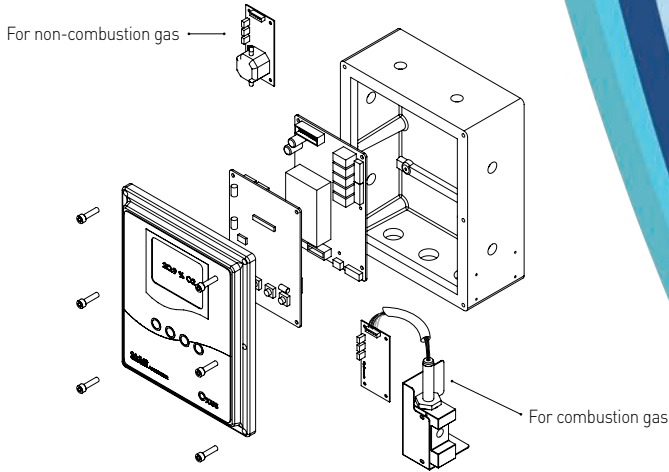
❖ Pilot-unit Verification Test

In order to secure reliability of the analyzer and evaluate the durability effectiveness, a verification test for the pilot-unit will be conducted. Pilot-unit will be used to combust various oil fuels, generate combustion gas and verify oxygen analyzer.

❖ Sensor Replace

Though the sensor will be mounted inside the sensor for safety reason, it can be replaced easily. All screws required for operation can be loosened or tightened with hexagonal wrench.





Specifications

OA-Z-IG Oxygen Analyzer

Measuring method	Zirconia Sensor	
	Combustion Gas Usable	Non-Combustion Gas Usable
	General Lambda sensor	Limit-Currenting sensor
Measurement range	0.0 ~ 25.0 %O ₂	
Accuracy	±0.5% of the measuring range	
Repeatability	±0.1% of the measuring range	
Drift on Month	±0.1% of the measuring range	
Time of response	Less than 40 seconds	
Warm-up time	90seconds	
Stabilization time	90seconds	
Proper flow	0.1~1 LPM	
Power Supply	85-264VAC – 50/60Hz or 24VDC	
Power Consumption	10VA per analyzer	
Power Cable	Over 0.4 mm ²	
Analog Output	Active 4 ~ 20 mA	
Load output(max.)	600 ohm / 24VDC	
Digital Output	RS485 Protocol	
Alarm functions	Low & High, O ₂ level at 5 point	
Relays	5 relays, 8A 250VAC or 30VDC	
Dimensions	180(W) x 220(D) x 105(H)	
Weight	4 kg without packing	
Case Material	Aluminum alloy	
Case Protection	IP67	
temperature limits	-10~60°C	
humidity limits(Sensor)	Below 90%, no condensation	
pressure limits(Sensor)	-40~500kPa	

Oxygen Analyzing System

System Type	Single Analyzer	Dual Analyzer
Gas inlet	1/4	
Gas outlet	1/4	
Piping Material	Stainless Steel - SUS 316/ 316L	
Zero gas cylinder	5 L (D 450 mm)	
Pressure regulating	0 ~ 0.2 MPa	
Pressure display	0 ~ 0.4 MPa	
Filter retention	5 μm	
Flow control range	0 ~ 500 cc/min	
Analyzer	1 EA	2 EA
Selection box	None	1 EA
Panel Dimensions	70(W) x 23(D) x 60(H)	100(W) x 23(D) x 60(H)
Panel Weight	23 kg without packing	32 kg without packing
Panel Material	Aluminum alloy	

Exclusive Agent :



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