



Michell'in Metalik Mühürlü Referans Sensörü (MKYS) teknolojisini kullanan oksijen analizörleridir. N2, C

Kullanım alanları: Gaz kalitesi ölçümü, çevresel kontrol uygulamaları, yarı iletken ve nükleer tesisler

Ürün Özellikleri

- Hızlı tepki süresi
- Basit ve kolay kullanım

- Düşük bakım ve sahip olma maliyeti
- Referans havaya gerek yok
- Barometrik basınç dengeleme
- 4-20 mA, RS485 Modbus RTU ve RS232 çoklu çıkışa uygun
- Rafa, duvara, tezgaha monte edilebilir ve taşınabilir sürümleri vardır

Teknik Özellikler

Sensör Tipi

Measurement Principle Zirconium Oxide Sensor with Metallic Sealed Reference and S Type T/C

Performans

Gas	Clean, dry, oil free with particles less than 3µm
Measurement Range	0.01 ppm to 25% Oxygen (up to 100% optional)
Accuracy (intrinsic error)	
Less than 2% of reading	
Response Time (T90)	<11 seconds
Repeatability	±0.1% of reading
Stability	
1% per month	
Linearity	Better than ±1%
Sample Flow Rate	1 to 3 l/h with built-in fast loop
Drift	
<1% of reading per week	
Maximum Sample Pressure	2 barg
Maximum Sample Temperature	100°C
Atmospheric Pressure Compensation	Built-in auto

Çıkışlar

Output Signal	One 4-20 mA Linear with Galvanic Isolation Outputs
	2nd freely configurable 4-20 mA output for RM version (optional for WM version)
	One optional RS485 output - ModBus communication protocol
Output Load	Over 1000 Ω
Self-diagnostics	

Via HMI

Output Ranges 0.1 ppm to 25%, freely configurable (up to 100% optional)

Alarms 2 threshold alarms, freely configurable

1 general fault alarm including flow alarm

1 remote flow alarm (optional)

Display Resolution 0.01 ppm between 0.1 ppm and 10 ppm

0.1 ppm between 10 ppm and 10,000 ppm

0.01% between 1 and 10%

0.1% between 10 and 25%

Power Supply

90 to 264 V AC, 47/63Hz

Power Consumption 50 VA

Çalışma Koşulları

Ambient temperature 0 to +55°C

Sensor Temperature

Optimized @ +634°C

Operating Humidity

5 to 90% RH without condensation

Mekanik Özellikler

Dimensions and weight Rack mount: 19", 3U, 482.5 x 133 x 371.5mm, 10kg

Wall mount: 200 x 220 x 290mm, 5kg

Bench mount: 290 x 260 x 236mm, 5.2kg

Transportable: 450 x 300 x 330mm, 13.5kg