



Hidrojen, azot ve karbondioksit gibi gazların ölçümleri için sağlam, doğrusal ve sabit bir oksijen analizörü.

Kullanım alanları: Hidrokarbon prosesleri için inert örtülü gazların izlenmesi, ilaç veya kimya sanayi.

Ürün Özellikleri

- EExd muhafaza ve izole 4-20 mA çıkışı ile kompakt ve sağlam tasarım
- ATEX, IECEx, cCSAus TC, TR & Ex tehlikeli alan sertifikalı

- Sıcak işler izni için dokunmatik ekrana gerek kalmadan kalibrasyon veya ayarlanmasına olanak tanır
- İçsel hata (doğruluk) 1%' inden daha iyi tam ölçektir
- Sıfır açıklıklı istikrar ayda 0.25% açıklıktan daha iyi
- Hücre tasarımı nedeniyle kirlenmeye karşı korunması arttırılmıştır
- Az bakım ve sarf parçaları olmaması nedeniyle düşük sahip olma maliyeti
- Mevcut aralıkları: 0-1% 0-50%' ye kadar ve 20, 80 veya 90-100%

Teknik Özellikler

Performans

Measurement Technology	Thermo-paramagnetic oxygen sensor
Gas	Process and non-condensing sample with particles <3µm
Measurement Range	
Selectable from 0-1% up to 0-50% O2 and 80/90 - 100%	
Display Resolution	0.01%
Display Type	Backlit LCD
Accuracy Excluding Suppressed Zero Ranges	
< ±1% of span or ±0.02% O2 whichever is greater	
Accuracy For Suppressed Zero Ranges (80/90 - 100%)	
< ±0.2% of span	
Response Time (T90) with High Speed Response (HSR) Enabled	
Repeatability	
±0.2% of span or 0.01% O2 whichever is greater	
Linearity	±0.5% of span or 0.05% O2 whichever is greater
Zero Stability	±0.25% of span per month
Span Stability	±0.25% of span per month
Sample Flow Rate	100 to 600 ml/min
Sample Flow Effect	
(calibrated at 300 ml/min)	< 1% of span for flows: 100 to 600 ml/min
Sample Pressure	
0 to 3 barg inlet with atmospheric vent	
Sample Temperature	0 to +55°C max (+45°C for standard cell)
Sample Cell Temperature	Standard +50°C (Optional +55°C and +60°C)
Background Gas	Unit can be calibrated in a user-defined background gas to increase the accuracy

Elektriksel Özelliksel

Analog Inputs	2 off 4-20 mA inputs
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One for an external sensor that can be displayed on the screen

One to act as an active compensation for the process conditions

Analog Outputs 2 off 4-20 mA outputs (isolated)

Output Ranges

Primary range is set to the calibrated range of the instrument

The second is user selectable within the primary range

Alarms 2 off single pole changeover (SPCO) relays for O₂ concentration (250 V, 5 A)

Datalogging The user can use the digital communications to log the output from the analy

The unit will store 40 alarm points and the min/max O₂ concentrations with date and time stamp

Digital Communications MODBUS RTU over RS485 Protocol

Power Supply

24 V DC; 1.5 A max

Çalışma Koşulları

Ambient temperature Dependent on o-ring selection:

Silicon: -40°C to +55°C

Viton®: -15°C to +55°C

Ekraz: -10°C to +55°C

Mekanik Özellikler

Warm Up Time < 30 minutes

Stabilization Time 15 minutes

Dimensions

234 x 234 x 172mm (w x d x h)

Weight 9.7kg

Wetted Materials 316 & 430F stainless steel, borosilicate glass, platinum, 3M 2216, plus O-r

O-Ring Materials

Viton, Silicone or Ekraz

Gas Connection 1/4" NPT, 1/4" tube or 6mm tube

Ingress Protection IP66, NEMA 4X

Tehlikeli Alan Sertifikaları

ATEX II 2GD

Ex d IIB +H₂ T3 Gb

Ex tb IIIC T137°C Db IP66

IECEX Ex d IIB +H₂ T3 Gb

Ex tb IIIC T137°C Db IP66

Temperature Ranges for ATEX and IECEx as per O-ring Type

Silicon: Ta = -40°C to +55°C

Viton®: Ta = -15°C to +55°C

Ekraz: Ta = -10°C to +55°C

CCSAUS Class I, Division 1, Groups B,C,D

INMETRO Ex d IIB + H2 T3 Gb

Ex tb IIIC T137°C Db IP66

TC TR EX

1 Ex d IIB + H2 T3 Gb