



Hidrojen, azot, argon, helyum ve karbondioksit içinde hava gibi ikili gaz karışımları ölçümü için sağlam, c

Kullanım alanları: Elektrik türbinlerinde hidrojen soğutma, hava ayırma tesislerinde üretim kalitesi,

Ürün Özellikleri

- ATEX, IECEx, TC TR Ex ve cCSAus kullanım için uygun tehlikeli alan sertifikaları
- Opsiyonel durum LED aşağıdaki NAMUR standardı
- EExd muhafaza ve 4-20 mA çıkışı ile kompakt ve sağlam tasarım
- Sıcak işler izni için gerek kalmadan dokunmatik ekran kalibrasyonu veya ayarlanmasına olanak tanır
- Doğruluk $\pm 2\%$ daha iyi
- IP66 muhafazalı
- Minimum bakım nedeniyle düşük sahip olma maliyeti
- Mevcut aralıklar: 0-5 - 0-100%' ye kadar
- Kararlılık aylık $\pm 0.5\%$

Teknik Özellikler

Performans

Measurement Technology	Thermal Conductivity sensor
Measured Gases	CO ₂ , CH ₄ , Ar, He, N ₂ , H ₂ or Air
Gas Requirements	
Non-condensing sample with particles	$\pm 3\mu\text{m}$
Measurement Range	Selectable from 0-5 up to 0-100%
Display Resolution	0.1%
Display Type	
Backlit LCD	
Intrinsic Error (Accuracy)	$< \pm 2\%$ of span*
Response Time (T ₉₀)	Standard < 20 seconds*
Repeatability	
$\pm 0.2\%$ of span	
Linearity	$\pm 1\%$ span
Zero Stability	$\pm 0.5\%$ of span per month
Span Stability	$\pm 0.5\%$ 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	
Sample Temperature	0 to $+45^\circ\text{C}$ max
Sample Cell Temperature	Standard $+50^\circ\text{C}$

Elektriksel Özellikler

Analog Inputs	2 off 4-20 mA inputs
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
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 (250 V, 5 A max)
Datalogging	The user can use the digital communications to log the output from the analyzer
The unit will store 40 alarm points and the min/max O ₂ 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	-20 to +55°C (dependent on configuration)
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Mekanik Özellikler

Warm Up Time	< 30 minutes
Stabilization Time	15 minutes
Dimensions	
172 x 234 x 234mm (h x w x d)	
Weight	9.7kg
Wetted Materials	316 stainless steel, borosilicate glass, platinum, (plus O-ring)
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 Sınıflandırması

ATEX	II 2GD
Ex d IIB +H ₂ T3 Gb	
Ex tb IIIC T137°C Db IP66	
IECEX	Ex d IIB +H ₂ T3 Gb
Ex tb IIC 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

TC TR EX

1 Ex d IIB + H2 T3 Gb

*The typical intrinsic error and response time will be as above. Certain gas combinations and/or ranges