

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Condumax II On-Line tamamen kendi kendine yeten hidrokarbon çiy noktası analizörüdür. Son derece b

Kullanım alanları: Doğal gaz prosesleri, turbo-expander tesis koruması, iletim korumasında gaz ka

Ürün Özellikleri

- Tam otomatik on-line analizi
- Nesnel, yüksek tekrarlanabilir ölçümler
- 0.5° C hidrokarbon çiy noktası doğruluğu
- Temel soğutulmuş ayna ilkesi
- Patentli algılama tekniği
- Kendi kendini temizleme
- Hiçbir tasfiye veya soğutma gazı gerekmez
- İsteğe bağlı su çiy noktası analizi
- Modbus RTU
- IECEx ATEX, cCSAus ve GOST Ex sertifikaları

Teknik Özellikler

Hidrokarbon Çiy Noktası Ölçümü

Measuring Technique Direct Photo-Mixing

Direct photo-detection of hydrocarbon condensate at hydrocarbon dew-point temperature

Sensor Cooling Automatic via 3-stage Peltier effect electronic cooler under adaptive control

Maximum Range Up to Δ 55K measurement depression from Main Unit operating temperature

Accuracy $\pm 0.5^\circ\text{C}$ hydrocarbon dew point (single and multiple condensable component)

Sample Flow

0.03m³/hr (0.5 NI/min) - alarm standard

Measurement Frequency 6 cycles/hour (recommended)

12 cycles/hour (maximum)

Su Çiy Noktası Ölçümü (İsteğe Bağlı)

Measuring Technique Michell Ceramic Moisture Sensor

Units - Moisture content $^\circ\text{C}$ and $^\circ\text{F}$ water dew point; lb/MMscf; mg/m³, ppmV

Resolution 0.1 $^\circ\text{C}$, 0.1 $^\circ\text{F}$

Range Calibrated from -100 to +20 $^\circ\text{C}$ dp

Accuracy $\pm 1^\circ\text{C}$ from -59 to +20 $^\circ\text{C}$ dp

Sample Flow
0.06 to 0.3 m³/hr (1 to 5 NI/min) alarm standard

Basınç Ölçümü Hidrokarbon Çiy Noktası Ölçümü Su Çiy Noktası Ölçümü (İsteğe Bağlı)

Units	MPa, barg, psig
Resolution	0.1 MPa and barg, 1 psig
Range	HCdp: 0 to 100 barg
Wdp:	0 to 200 barg
Accuracy	±0.25% FS

Hidrokarbon Çiy Noktası Analizörü

Resolution	Hydrocarbon and water dew point: 0.1 °C
Sample Gas Supply	Natural gas up to 100 barg, pressure regulated in sampling system
Enclosure	EExd cast enclosure with removable glass window viewing port. Internally h
Sample Gas Connections	1/4" NPT female ports for both hydrocarbon and water dew-point channels;
Sampling system:	6mm OD Std / 1/4" OD optional
Operating Environment	Indoors/Outdoors -20 to +50 °C; Max 95% RH
Power Supply	90 to 260 V AC, 50/60 Hz, 125 W Main Unit
300 W c/w Sampling System (indoor)	
400 W c/w Sampling system (outdoor)	
Weight	22.5kg Main Unit
42kg (approx) c/w Sampling System (indoor)	
57kg (approx) c/w Sampling system (outdoor)	
Integrated Display/Keyboard	Touch screen with vacuum fluorescent display
Outputs	
Modbus RTU, RS485 @ 9600 baud rate	
Two 4-20 mA linear (non-isolated) outputs, user-configurable for any combination of dew-point or pressure	
Alarms	Process and analyzer status via software register and display annotation
Integrated low flow alarms for each sample flow	
Analyzer status fault flag 23 mA on mA Output 1	

Sertifikasyon

Hazardous Area Certification: ATEX / IECEx: II 2G Ex d IIB + H2 Gb Tamb = -40 °C to +60 °C
Tamb -40 °C to +60 °C T3
CCSAUS certified to Class 1, Div 1, Groups B, C & D, T4
GOST Ex
Pattern Approval GOST-R, GOST-K, GOST-T, ukrSEPRO

Kapalı Güvenli Alan Montajı için Opsiyonel Uzaktan Arabirim

Host Capacity	Up to 31 Michell EExd Process Instrumentation Range Analyzers in any con
Display	Backlit colour 15cm/6" LCD
User Interface	Integral mouse, on-screen keyboard
Function	View and modify analyzer operating settings;
Record parameters to file and view virtual chart recorder analyzer diagnostics	
Ports	LAN, USB2, Modbus Re-transmission
Data Download	CSV (comma separated variable) format for easy import to Excel™
Remote Access	OPC (OLE for Process Control) over a LAN Imbedded web page/unique IP a
Remote data reading via Modbus RTU	
Power Supply	100 to 280 V, 50/60 Hz
Plant Control Integration	
ActiveX components to be used by software programmers for integration of Modbus protocol into a gen	