

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Liquidew EExd, tam anlamıyla nem ölçümü sunuyor. Sağlam bir sensör teknolojisi uygulanarak sıvılarda

Kullanım alanları: İzolasyon katolizörlerine nafta beslemeleri, HDPE ve LDPE proseslerinde heksa

Ürün Özellikleri

- EExd aleve dayanıklı sertifikalı - ATEX ve cCSAus ve GOST Ex
- Tam tehlikeli alan kurulum
- Tek veya çift kanal ölçümleri
- Doygunluk aralığı kapasite için 0,001 ppmW
- Ön tanımlı ve kullanıcı tarafından girilen doyguluk konsantrasyon değerleri
- Uzaktan küresel erişim seçenekleri

Teknik Özellikler

Ana Ünite Ölçme Parametreleri

Channel Configuration	Single or dual channel
Moisture Content	ppmw
Temperature	°C and °F
Water Dew Point	°C and °F

Sample Flow Rate

Status indication: Low-Good-High (<0.1 to >0.3 l/min)

Sensör Teknolojisi

Moisture Sensor Technology	Michell Ceramic Moisture Sensor
Calibration Range	-100 to +20°Cdp
Measurement Range	-120 to +30°Cdp (0.001 ppmw to saturation)
Accuracy	Dew point: $\pm 1^\circ\text{C}$ between -59.9°C & $+20^\circ\text{Cdp}$

Moisture content: $\pm 10\%$ of reading

Dew point: $\pm 2^\circ\text{C}$ between -60°C & -100°Cdp

Moisture content: $\pm 20\%$ of reading

Analysis temperature: Accuracy $\pm 0.2^\circ\text{C}$

Resolution 0.1°C between $+20$ and -80°Cdp
 1°C between -80 and -100°Cdp

Temperature coefficient

Algorithm compensation

Operating Pressure Max. 50 barg

Sample Flow
Up to 1 l/min (0.1 - 0.2 l/min recommended)

HMI

Keypad/Interface	Capacitive touch-screen through glass
Display	Vacuum fluorescent
Datalogging	A rolling maximum of 150 data logs is available

Each log records time, date, moisture and temperature values for each channel
5 minutes minimum and 60 minutes maximum logging intervals can be set by the user

Communications and Output
Two non-isolated 4-20 mA per measurement channel
500 Ω maximum load
Range and parameter settable by user
Modbus RTU @ 9600 baud-rate
Alarms: two volt free contacts per channel; one process value and one instrument status
Also available via Modbus communications

Koruma

Type	Flameproof EExd
Construction	Cast copper-free aluminium (IP66/NEMA 4)
Finish	Chromate primer, Polyester P9010 powder coated (black). Meets BS3900

Genel

Sample Connections	1/4" NPT (female)
Weight	22.5kg
Operating Supply Voltage	90 to 260 V AC, 50/60 Hz, 180 W Main Unit
Operating Environment	-20 to +60°C up to 95% RH

Indoor or Outdoor, shaded location

Sertifikasyon

Hazardous Area Certification: ATEX Certification: II 2 G Code: EEx d IIB + H2 T4 (135°C) IP66 Tamb -40
CCSAUS approved: Div 1, Class 1, Group B,C,D
GOST Ex
Pattern Approval GOST-R, GOST-K

Kapalı Güvenli Alan Montajı için Opsiyonel Uzaktan Arabirim

Host Capacity	Up to 31 Michell EExd Process Area Installation Instrumentation Range ana
Display	Backlit color 15cm LCD
User Interface	Integral mouse, on-screen keyboard

Function	View and modify analyser operating settings
Record parameters to file and view virtual chart recorder analyser 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 Embedded web page/unique IP
Remote data reading via Modbus RTU	
Power Supply	100-280V, 50/60Hz
Plant Control Integration	
ActiveX components to be used by software programmers for integration of Modbus protocol into a gen	