

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Promet I.S. Proses Nem Analizörleri ağır, doğal gaz platformları ve terminaller, petrokimya tesisleri ve e

Kullanım alanları: Doğalgaz prosesi ve üretimi, Boru hattı kurutulması, boru hattıyla deniz aşırı doğ

Ürün Özellikleri

- Basit, düşük maliyetli operasyon ve düşük bakım
- H₂S, merkaptanlar ve diğer sülfitlerden gelen kimyasal saldırıya karşı bağıışıklık
- Glikol veya diğer sıvı kirletici maddelere karşı korumalı
- Doğrudan doğruya çiy noktası ölçüm işleminde basınç 45 MPa
- Ortam Nem aralığı, doğal gazın önemli parametreleri de dahil olmak üzere, higrometrik birimlerinin
- İki 4-20 mA yapılandırılabilir çıkış ve dijital Modbus RTU tabanlı iletişim
- Garantili kalibrasyon bütünlüğü NPL (İngiltere) ve NIST (ABD) için izlenebilir
- Nem içeriği hesaplanması için kullanıcı tarafından programlanabilir veya gerçek zamanlı aktif basınç
- Çok kanallı (4 adede kadar), Bağımsız ölçüm kanalı

Teknik Özellikler

Sensörler

Micromedea Analytic Moisture Sensor
Sensor Version Easidew PRO I.S.
Measurement Range -100 to +20°Cdp
Calibration Range -100 to +20°Cdp

Calibration

Traceable to British (NPL) and American (NIST) National Humidity Standards

Accuracy Dew point: ±1°C between -60 and +20°Cdp

Moisture content: ±10% of reading

Dew point: ±2°C between -60.1 and -100°Cdp

Resolution

0.1°C between +20 and -100°Cdp

Analysis Pressure Up to 45 MPa (450 barg)

Operating Temperature

-40 to +60°C

Sample Flow Rate 1 to 5 l/min

Optional Pressure Sensor

0-138 barg (other ranges available)

Accuracy: ±0.25% FS

Sertifikasyon

Hazardous Area Certification ATEX - II 1 G Ex ia IIC T4 Ga (-20°C = Ta = +70°C)
FM - IS / I / 1 / ABCD / T4 Ta = +70°C
CSA - IS Class I, Division 1, Groups ABCD T4 +70°C
IECEX - Ex ia IIC T4 (-20°C = Ta = +70°C)
GOST Ex
Pattern Approval GOST-R, GOST-K

Kontrol Ünitesi

Display Two line 6-digits LED, displaying moisture content / dew point (user toggle)
Analogue Output Two 4-20 mA (max load 500 Ω)
User-configured for parameter, unit and range
Digital Output RS485 Modbus RTU

Display Mode Moisture content (ppmV)
Moisture content in natural gas (ppmV, lb/MMSCF, mg/m³)
Dew point (°C or °F)
Temperature (°C or °F)
Pressure (psig, barg)

Pressure Compensation Fixed value (user-programmed) or dynamic input from optional pressure sensor

Display Resolution 0.1°Cdp, 0.1°Fdp, 0.1 - 0.001 ppmV ideal gas (adjustable), 0.01 ppmV natural gas
0.01 lb/MMSCF, 1 psig, 0.1 barg

Alarms Four alarm relays. Control action and set-point are user-programmable
Two Form C contacts rated 10 A, 240 V AC or 8 A, 24 V DC. Non-inductive load
Two Form A contacts rated 5 A, 240 V AC or 4 A, 24 V DC. Non-inductive load

I.S. Barriers Galvanic isolation type, integrated to Control Unit

Power Supply 90 to 264 V AC, 50/60Hz or 10 to 72 V DC, 10 W max power consumption

Interconnection Cable General instrument type, twisted pair, screened, single pair (two pairs with power)

Enclosure 19" sub rack unit
Dimensions 132 x 483 x 256mm (h x w x d)
(100mm minimum clearance depth for cables and vents)

Operating Environment Indoor, safe area, 0 to +50°C, < 90% RH

Birinci Sınıf Örnek Alma Sistemi

Enclosure 304 stainless steel (EN1.4301) enclosure

Option for complete enclosure in 316 stainless steel (EN1.4401)

All fixtures stainless steel

Galvanised steel internal mounting plate

Open panel version available for indoor installation

Dimensions 800 x 600 x 300mm (h x w x d)

Enclosure Mounting Stainless steel wall mounting brackets

Enclosure Ingress Protection IP66

Enclosure Temperature Control/thermostat options for fixed set-point +20°C or adjustable set-point range 0 to control 50°C

Heater Power Supply 110/120 or 220/240/255 V AC, 47/63 Hz

Power consumption 100 W max

Operating Environment Shaded position, on or off shore, -20 to +50°C (-40 to +60°C max transient)

Enclosure cooling option recommended for climatic ambient > +45°C