

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Easidew PRO XP transmitter güvenilir ve doğru bir şekilde çiy noktası veya nem içeriğini geniş çeşitlilik

Kullanım alanı: Doğal gaz prosesi / iletimi, polimer üretimi, biyometan gaz üretimi, hidrojen soğutma

Ürün Özellikleri

- Ölçüm aralıkları -110°Cdp - $+20^{\circ}\text{Cdp}$ kadar
- Küresel patlama / ateşe dayanıklılık sertifikası
- Doğruluk $\pm 1^{\circ}\text{Cdp}$
- 2-telli 4-20 mA çıkış
- İzlenebilir 13-noktalı kalibrasyon sertifikası
- 450 bar basınç değerlendirmesi
- 3/4 "UNF endüstri standardı proses bağlantısı

- EN 10204 3.1 maddi belgelendirme
- Gaz ve sıvı içindeki nem
- İsteğe bağlı entegre ekran ölçer

Teknik Özellikler

Performans Özellikleri Gaz için Easidew PRO XP Likit için Easidew PRO XP LQ

Measurement Range

-110 to +20°C dew point; 0 to 1000 ppmV dew point

Non-standard available on request

Accuracy

±1°C dew point (+20 to -60°C); ±2°C dew point (-60 to -110°C)

Response Time

5 mins to T95 (dry to wet)

Repeatability

0.5°C dew point

Calibration

Traceable 13 point calibration and certificate

Elektriksel Özellikler

Output Signal

4-20 mA (2-wire connection, current source); User configurable over range

Output

Dew point or moisture content Moisture content

Analog Output Scaled Range

Dew point: -110 to +20°C

Moisture content in gas: 0-3000 ppmV

Non-standard: mg/m³, lbs/m³ Moisture content in liquid: 0-1000 ppmW

Non-standard available on request

Supply Voltage 14 to 28 V DC

Load Resistance Max 250 Ω @ 14 V (500 Ω @ 24 V)

Current Consumption 23 mA max, depending on output signal

Saturation Constants

(for moisture in liquids measurements only)

6-point look-up table for saturation constants up to 1000 ppmW over the temperature range 0 to +50°C;

Alternatively the user can program saturation constants manually

CE Conformity 2004/108/EC, 94/9/E ATEX directive

Çalışma Özellikleri

Operating Temperature
-20 to +70°C
Operating Pressure
45 MPa (450 barg) maximum
Flow Rate
1 to 5 Nl/min mounted in standard sampling block
0 to 10 m/sec direct insertion
Temperature Coefficient
Temperature compensated across operating temperature range

Mekanik Özellikler

Ingress Protection IP66 in accordance with standard BS EN 60529:1992;
NEMA 4 protection in accordance with standard NEMA 250-2003

Explosion and Flameproof Area Certificates

ATEX: II 2 GD Exd [ia] IIC T6 Gb
EX tb IIIC T80°C Db IP66
Tamb -20°C to +70°C

IECEx: Exd [ia] IIC T6 Gb
Ex tb IIIC T80°C Db IP66
Tamb -20°C to +70°C

CCSAUS: CLS I, Div1, GRPS ABCD
CLS II & III, Div1, GRPS EFG
CLS I, Zone 1 AEx/Exd [ia] IIC T6
Zone 21, AEx/Ex tb IIIC T80°C
Tamb = -20°C to +70°C IP66

TC TR EX-Certificate: Pending

INMETRO: Pending

Russian Pattern Approval
[GOST-R, pending]

Canadian Pressure Vessel Certification Canadian provinces

Housing material

Standard: Aluminium (copper free), epoxy and polyurethane powder coated, blue RAL 5010
Optional: 316 stainless steel

(Housing supplied with EN10204 3.1 material cert. if option F2 requested)

Filter

(sensor protection)

Standard: Stainless steel sintered guard (for protection against fine particulate >80µm)

Optional: HDPE guard (for protection against fine particulate >10µm)

Process Connection and Material

3/4" - 16 UNF with recessed Viton® o-ring

316 stainless steel

Weight

Aluminium: 1.6kg

316 Stainless Steel: 2.4kg

Electrical Connections Dual 3/4" NPT gland

Programmable display measurement range: **Optional:** -1999 to +9999

Programmable display decimal point: **Optional:** 0 to 3 decimal places

Display meter overload limit: **Optional:** 3.6 mA & 20.4 mA

Programmable display measurement units: **Optional:** °C, °F, %, No Scale