

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Optidew hassas optik çiy noktası cihazı, uzun vadeli sapmasız performans veren, kanıtlanmış temel optik

Optidew endüstriyel uygulamalar için idealdir ve muhafaza montaj dayanıklı NEMA 4X (IP66) paslanmaz

Kullanım alanları: Çevresel odalar, gıda endüstrisi, ilaç sanayi, türbin kanatlarının dona karşı korun

Ürün Özellikleri

- Hassasiyetli işlem-çiy noktası, %RH ve sıcaklık ölçümü
- Ölçüm Aralığı: <0.5 %100 RH, -40 - +90 °Cdp
- ± 0.2 °Cdp doğruluk (± 0.15 °C opsiyonel)
- Temel sürüklenme-ücretsiz çiy noktası ölçümü
- Sağlam NEMA 4X endüstriyel muhafaza
- +130 °C Yüksek sıcaklık sensörü seçeneği
- İsteğe bağlı yerel ekran

Teknik Özellikler

Performans

Measurement Accuracy* ± 0.2 °Cdp

± 0.15 °Cdp accuracy optional

± 0.1 °C temperature

Measurement Units

°C, °F dew point; %RH; °C, °F temperature; g/m³; g/kg; aW; Δ (t-t dew point)

Response Speed 1 °C/sec plus settling time (dew point dependant)

Power Supply 90 to 264 V AC OR 127 to 370 V DC, 47 to 440 Hz, 20 W max. Internally fused

Çiy Noktası Sensörü

Sensor

1 Stage

Dew-Point Range

2 Stage

-30 °Cdp @ sensor temperature of 20 °C

High Temperature PEEK

+90°C dp @ sensor temperature of 90°C
 +10°C dp @ sensor temperature of 20°C
 +90°C dp @ sensor temperature of 20°C
 +130°C dp @ sensor temperature of 130°C

Temperature Range	-40 to +90°C	-40 to +90°C	-40 to +130°C
%RH Range	<2 to 100%	<0.5 to 100%	<0.5 to 100%
Min Measured Dew Point	-40°C	-40°C	-40°C

Mirror Material Options Gold plated copper (standard)

Gold stud

316 stainless steel stud**

Platinum stud**

**Recommended for special applications only, consult Michell Instruments before ordering

Sensor Body Material Options (standard)

High temperature PEEK

316 stainless steel**

Anodized aluminum**

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Temperature Measurement 4-wire Pt100, 1/3 DIN class B

Sample Flow 0.1 to 2 NI/min (in sampling block)

Maximum Velocity 10 m/sec direct insertion

30 m/sec with sintered guard

Pressure Standard unit: 2 Mpa / 20 barg (max)

Ingress Protection: IP66

High Pressure version: 25 Mpa / 250 barg (max)

Ingress Protection: IP65

Cable Length 2m; 50m maximum (up to 250m on special request)

Uzaktan Kontrollü PRT

Temperature Measurement

4-wire Pt100 1/10 DIN class B

Cable Length 2m; 50m maximum (up to 250m on special request)

Transmitter Elektronik

Resolution

0.1 for °C, °F and %RH

0.01 for g/m3 and g/kg

Outputs

Analog: Two channels 0/4-20 mA

Digital: RS232 (RS485 optional)

Alarm: Volt free contact, 2 A @ 30 V DC

Status LEDs DCC / Alarm Status

Operating Temperature -20 to +50°C ambient

Enclosure 304 stainless steel

Ingress Protection IP66 (NEMA 4X)

Cable Pack Power and RS232 cables

Genel

Calibration

4-point traceable in-house calibration as standard, UKAS accredited calibration

*Measurement accuracy means maximum deviation between instrument under test and corrected reference