

Detaylı Bilgi İçin Ürün Resmine Tıklayınız



Optidew Vizyon, uzun vadeli ve sapmasız performans veren, kanıtlanmış temel optik çiy noktası ölçüm p

Optidew tamamen izlenebilir, kalibrasyon veya opsiyonel UKAS onaylı kalibrasyon ile birlikte standart ol

Kullanım alanları: Metroloji laboratuvarları, basınçlı hava, çevresel odalar, ilaç sanayi, türbin kanat

Ürün Özellikleri

- Temel sürüklenme-ücretsiz çiy noktası ölçümü
- Ölçüm aralığı: <0.5 ile 100% RH -40 - +90 °C ortam sıcaklığı
- $\pm 0.2^{\circ}\text{Cdp}$ doğruluk. Yüksek doğruluk seçeneği mevcut
- + 130 °C Yüksek sıcaklık sensörü seçeneği
- Sağlam NEMA 12 masa üstü muhafaza
- 25 Mpa Yüksek basınç sensörü seçeneği (250 barg)
- Gösterge ve çoklu mühendislik birimleri çıkışı
- Ücretsiz uygulama yazılımı

Teknik Özellikler

Performans

Measurement Accuracy* $\pm 0.2^{\circ}\text{Cdp}$ ($\pm 0.32^{\circ}\text{F}$)

$\pm 0.15^{\circ}\text{Cdp}$ ($\pm 0.27^{\circ}\text{Fdp}$) accuracy optional

$\pm 0.1^{\circ}\text{C}$ ($\pm 0.18^{\circ}\text{Fdp}$) temperature

Measurement Units

$^{\circ}\text{C}$, $^{\circ}\text{F}$ dew point; %RH; $^{\circ}\text{C}$, $^{\circ}\text{F}$ temperature; g/m³; g/kg; aW; Δ (t-t dew point)

Response Speed 1 $^{\circ}\text{C}/\text{sec}$ 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 -30°Cdp @ sensor temp of 20°C
(-22°Fdp @ sensor temp of 68°F)

+90°Cdp @ sensor temp of 90°C
(+194°Fdp @ sensor temp of 194°F)
(-40°Fdp @ sensor temp of 68°F)

+90°Cdp @ sensor temp of +90°C
(+194°Fdp @ sensor temp of 194°F) (-40°Fdp @ sensor temp of 68°F)

+130°Cdp @ sensor temp of 130°C (+266°Fdp @ sensor temp of 266°F)

Temperature Range -40 to +90°C
(-40 to +194°F)
(-40 to +194°F)
(-40 to +266°F)

%RH Range <2 to 100% <0.5 to 100% <0.5 to 100%

Min Measured Dew Point -40°C (-40°F)

-40°C (-40°F)

-40°C (-40°F)

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 Anodized aluminum (standard)

High temperature PEEK

316 stainless steel**

Anodized aluminum**

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

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

Sample Flow 0.1 to 2 NI/min (0.21 to 4.23 scfh) (in sampling block)

Maximum Velocity 10 m/sec (32.8 f/sec) direct insertion
30 m/sec (98.4 f/sec) with sintered guard

Pressure Standard unit: 2 Mpa / 20 barg / 290 psig (max)

Ingress Protection: IP66

High Pressure version: 25 Mpa / 250 barg / 3626 psig (max)

Ingress Protection: IP65

Cable Length 2m (6.6'); 50m (164') maximum (up to 250m (820') on special request)

Uzaktan Kontrollü PRT

Temperature Measurement

4-wire Pt100 1/10 DIN class B

Cable Length 2m (6.6'); 50m (164') maximum (up to 250m (820') on special request)

Transmitter Elektroniküi

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 (-4 to +122°F) ambient

Enclosure Standing case with carry handle Panel mounting kit optional

Ingress Protection IP54 (NEMA 2)

Cable Pack Mains, RS232 cable and output connector

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