

설치형 노점계 (Fixed Dewpoint Transmitter)



Measuring instrument conforms with BS EN 61326-1



Model : GMI3000-AMT

용 도 (Applications)

- 온라인 노점 습도계
- 공정상의 가스 및 압축 공기에 포함된 수분량을 실시간 측정
- 에어 콤프레샤 및 기타 가스 프로세싱 파이프 라인

특 징 (Features)

- 광범위한 측정 범위 및 극미량의 수분량을 측정
- 센서에 Auto-Cal 기능 내장
- 빠른 응답시간과 장기간 안정성, 온도보상
- 설치가 쉬움

SPECIFICATIONS

Sensor & Transmitter

Sensor type	Ultra-high capacitance aluminium oxide
Measuring range	SDC: -100°C to +20°C dew point LDC: -120°C to +20°C dew point HDC: -65°C to +20°C dew point SPX: 1 to 1000 ppm (v) 1ppm resolution MPX: 0.1 to 100.0 ppm (v) 0.1ppm resolution LPX: 0.01 to 10.00 ppm (v) 0.01ppm resolution PBX: 1 to 1000 ppb (v) 1ppb resolution
Measurement units	Selectable in °C or °F dew point, ppm(v), ppm(w), mg/m3 or lb/MMSCF.
Calibration	Supplied with a Certificate of Test and Calibration traceable to NPL/NIST.
Accuracy	Better than ±2°C dewpoint (±3.6°F)
Repeatability	Better than ±0.3°C dewpoint (±0.54°F)
Response time	200ms
Auto-Cal	Field calibration / Span check facility. Activated and operated via two button switches on the Transmitter body.
Temperature coefficient	Temperature compensated for operating range.
Sample flow	Recommended 2 to 5 l/min, max 25 l/min.
Sample pressure	From 1kPa (0.01 bar A) to Maximum 35,000kPa (350 bar A)

Operating temp.	-20°C to +60°C
Transmitter Holder	316 Stainless steel body with size C, DIN EN 175301 connector.
Probe material (wetted)	316 Stainless Steel
Sensor protection	316 Stainless steel mesh - 50 micron
Ingress protection	IP66 / NEMA4X when Connector mated to Transmitter.
Sample gas fitting connection	Inlet & outlet both 1/8" NPTF
Pipe fitting connection	male pipe fittings.(1/4", 1/8" or 6mm OD – inlet / outlet fitting size)

Display unit

Outer material	1/8 DIN panel mounting ABS case
Display	4 digit, LED indicator
Factory setting display unit	One of °C, °F, ppm(v), ppb(v), g/m3 or lbs/MMSCF
Power supply	85-265VAC, 45-65Hz, 10VA
Signal output	Linear 4 to 20mA, Maximum load 600Ω (1Ch.)
Sensor power supply	DC 24VDC, 30mA
Alarm relay output	NO / NC
Alarm display	Front LED screen AL1 & AL2
Weight	250g
Resolution	16bit A/D Converter
Dimension	99(W) x 51(H) x 112(D) mm
Panel cut-size	92(W) x 45(H) mm

CONFIGURATIONS

Dewpoint Transmitter	1 ea
Transmitter holder	1 ea
Cable x 2m	1 ea
Display unit	1 ea
Sample panel	1 ea
Needle valve	1 ea
In-line filter	1 ea
Flow meter	1 ea
Bulkhead union	1 ea
FAN	1 ea

OPTIONAL ACCESSORIES

Interface for RS-485 or Modbus	1ea
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