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BACnet Indoor Air Quality Monitor

UNOlite

Model: UNO-LW

Delta P/N: DSUBDE-UNO-0003

- Monitoring 7 key factors: particulate matter (PM1, PM2.5, PM10), volatile organic compounds (VOCs), carbon dioxide (CO2), humidity, and temperature
- Get current air quality indicators from the color-coded LED, and easily get more insights about air quality by using the UNO IAQ APP (iOS, Android) at any time
- RESET Air Accredited Monitor
- This product is aligned with the WELL Building Standards™



WORKS WITH WELL



RESET ACCREDITED

System Specifications

Operating Condition	0°C to 50°C, 5-95% RH non-condensing
Power	source 1: 12~24VDC or 24VAC source 2: power adapter 12V/1A 6W max. (12 VDC)
Installation	Drywall mount, Electrical box mount
Connection	Wi-Fi 2.4G, BLE 5.1
Accessory	Two types of wall bracket for EU Single- Gang (Horizontal) and CN 86 BOX
Warranty	1 year
Weight	188 g

SPECIFICATIONS		
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Protocol Output	Protocol Connection Data Rate Address Range	Modbus RTU or BACnet MS/TP (Switch via DIP) 2-wire RS-485 no isolation Default: 9600Selectable via Modbus: 9600, 19200, 38400, 57600, 76800, 115200 208-239 (Switch via DIP)
CO2	Type Accuracy Resolution Range Sample rate	Acoustic Non-dispersive Infrared (NDIR) ± 50 ppm +5% of reading (over 400 ppm to 5000 ppm) 1ppm 400-5000 PPM Default: 10s
Relative Humidity	Type Accuracy Resolution Sample rate Operating range	Digital CMOS ± 5%RH (over 10 to 90% RH range, Must to do calibrate the temperature after fixed installation) 1%RH 1s 5-95 %RH
Temperature Transmitter	Type Accuracy Resolution Range Sample rate	Digital CMOS ± 1°C (over 10-40 °C) 0.1°C 10-40°C (50-100°F) 1s
TVOC	Type Gas Accuracy Resolution Range Response time Sample rate Output	Metal oxide semiconductor Total VOC ± 4 ppb + 15% of reading (over 1-200 ppb) (1 ppb = 4.57 µg/m ³) equal to ± 20 µg/m ³ + 15% of reading (over 1-500 µg/m ³) in Lab. test by Ethanol 1 ppb 1-1500 ppb 1s 1s 1-1500 ppb
PMx	Type Size Range Scale Resolution Lower detection limit Sample rate Precision	Optical PM1.0, PM2.5, PM10 1-1000 µg/m ³ 1 µg/m ³ 0.3 µg Default: 10s ± 5 µg/m ³ + 20% of reading (over 1-100 µg/m ³ range) ± 25% of reading (over 101-500 µg/m ³ range)
Compliance	Agency Accreditations Standards	NCC, RoHS RESET Air Accredited Monitor This product is aligned with the WELL Building Standard™. Facilitates compliance with ASHRAE 62.1 standard for air quality Contributes toward satisfying Feature A08 under WELL Building Standards®
Remarks	Product performance can be influenced by both installation and environmental factors. We recommend adhering to the installation guide to ensure optimal results.	