

uno[®]
lite

BACnet Indoor Air Quality Monitor

UNOlite

Model: UNO-LWD

Delta P/N: DSUBDE-UNO-0007

- 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™



WORK WITH WELL



RESET ACCREDITED

SPECIFICATIONS

UNOLite Model : UNO-LWD Delta P/N: DSUBDE-UNO-0007

| | | |
|-------------------------|---|---|
| Operation Information | Power supply source | Source 1: 12~24VDC or 24VAC Source 2: power adapter 12V/1A |
| | Installation | UL Listed One-gang box (Horizontal), CN 86 Box |
| | Temperature | 0 to 50°C (32 to 122°F) |
| | Humidity | 0-95% RH non-condensing |
| Protocol Output | Protocol | Modbus RTU or BACnet MS/TP (Switch via DIP) |
| | Connection | 2-wire RS-485 no isolation |
| | Data Rate | Default: 9600 |
| | Address Range | Selectable via Modbus: 9600, 19200, 38400, 57600, 76800, 115200 208-239 (Switch via DIP) |
| Wireless Connectivity | Wi-Fi | 2.4GHz 802.11 bgn |
| | Bluetooth | Bluetooth low energy v5.1 |
| CO2 | Type | Acoustic Non-dispersive Infrared (NDIR) |
| | Accuracy | ± 50 ppm +5% of reading (over 400 ppm to 5000 ppm) |
| | Resolution | 1ppm |
| | Range | 400-5000 PPM |
| Relative Humidity | Sample rate | Default: 10s |
| | Type | Digital CMOS |
| | Accuracy | ± 10 %RH (Adding a LOYBT-TEMP1 sensor can achieve ± 4% RH) (over 10-90% RH) |
| | Resolution | 1%RH |
| Temperature Transmitter | Sample rate | Default: 1s LOYBT-TEMP1: 5 minutes |
| | Operating range | 5-95 %RH |
| | Type | Digital CMOS |
| | Accuracy | ± 1°C (Adding a LOYBT-TEMP1 sensor can achieve ± 0.2°C) (over 10-40 °C) |
| TVOC | Resolution | 0.1°C |
| | Range | 10-40°C (50-100°F) |
| | Sample rate | Default: 1s LOYBT-TEMP1: 5 minutes |
| | Type | Metal oxide semiconductor |
| | Gas | Total VOC |
| | Accuracy | 20 µg/m ³ + 15% of reading (over 1-500 µg/m ³) |
| | Resolution | 1 µg/m ³ |
| PMx | Range | 1-2000 µg/m ³ |
| | Response time | 1s |
| | Sample rate | 1s |
| | Output | 1-6500 µg/m ³ |
| | Type | Optical |
| | Size Range | PM1.0, PM2.5, PM10 |
| | Scale | 1-1000 µg/m ³ |
| Operating Environment | Resolution | 1 µg/m ³ |
| | Lower detection limit | 0.3 µg |
| | Sample rate | Default: 10s |
| | Precision | ± 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 | Temperature | 0 to 50°C (32 to 122°F) |
| | Humidity | 5-95% RH non-condensing |
| | Agency Accreditations | RoHS, NCC, CE, FCC/ICES, SRRC, JRF RESET Air Accredited Monitor |
| Enclosure | Standards | 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 [®] |
| | Material | ABS plastic |
| Remarks | Dimensions | 132 mm x 96mm x 22 mm |
| | Net Weight | 190g |
| Remarks | Product performance can be influenced by both installation and environmental factors. | |

