

uno<sup>®</sup>  
slim



### Indoor Air Quality Monitor

## UNOslim

UNO-M

- 低調簡約的設計，輕鬆融入辦公空間
- 全面監測 7 大關鍵指標：懸浮微粒（PM1、PM2.5、PM10）、揮發性有機化合物（TVOC）、二氧化碳（CO2）、濕度與溫度
- 即時透過 LED 矩陣顯示空氣品質數據，當沒有人觀看數值時自動關閉顯示器
- 支援 BACnet MS/TP 與 Modbus RTU 協議，輕鬆整合
- 可更換的顆粒物及總揮發性有機化合物（TVOC）傳感模組
- 支援 NFC 技術，透過 APP 即可配對與調整
- 符合 LEED 與 WELL 認證標準，助力打造綠色健康建築

UNOslim SPECIFICATIONS

Wireless Connectivity	Bluetooth	BLE 5.2, Bluetooth Mesh 1.1
Operation Information	Power supply source	12-24VDC, 24VAC
	Installation	UL Listed One-gang box, ABB HAF Hafobox, CN 86 Box for wall mounting
Protocol Output	Protocol	BACnet MS/TP or Modbus RTU
	Connection	2-wire RS-485 no isolation
	Data rate for BACnet	9600, 19200, 38400, 76800, Auto (Selectable via NFC APP)
	Data rate for Modbus	9600, 19200, 38400, 57600, 115200 (Selectable via NFC APP)
Relay Set-point	Type	Solid-state output, 1A@30 VDC, N.O. and N.C.
	Source	CO <sub>2</sub> , TVOC, PM2.5, Temperature, Humidity and 1 BI(Choose one of setpoint)
CO <sub>2</sub>	Polarity	N.O.
	Type	Acoustic Non-dispersive Infrared (NDIR)
	Accuracy	± 30 ppm +3% of reading (over 400 ppm to 5000 ppm)
	Resolution	1ppm
	Range	400-9999 PPM
	Response time T <sub>63%</sub>	90 seconds
Relative Humidity	Sample rate	60s (Default) (Programmable to 10s)
	Type	Digital CMOS
	Accuracy	± 5%RH over 5 to 95%RH range
	Resolution	1%RH
	Response time T <sub>63%</sub>	30s
	Sample rate	3s
	Operating range	0-100%RH
Operating conditions	-10-60 °C	
Temperature Transmitter	Type	Digital CMOS (Onboard) / NTC Thermistor (Optional)
	Accuracy	±0.5°C (±0.9°F) (operating range)
	Resolution	0.1°C
	Range	0-50°C
	Response time	30s
	Sample rate	1s
TVOC	Type	Metal oxide semiconductor
	Gas	Total VOC
	Accuracy	± 20 µg/m <sup>3</sup> + 15% of reading (over 1-500 µg/m <sup>3</sup> range)
	Resolution	1 µg/m <sup>3</sup>
	Range	1-7000 µg/m <sup>3</sup>
	Response time	10s
	Sample rate	1s
	Output	1-7000 µg/m <sup>3</sup>
PMx	Type	Optical
	Size Range	PM1.0, PM2.5, PM10
	Scale	1-1000 µg/m <sup>3</sup>
	Resolution	1 µg/m <sup>3</sup>
	Lower detection limit	0.3 µm
	Response time	3min(Default) (Programmable to 10s)
	Precision	± 5 µg/m <sup>3</sup> + 20% of reading (over 1-100 µg/m <sup>3</sup> range)
		± 25% of reading (over 101 -500 µg/m <sup>3</sup> range)
Operating Environment	Temperature	0 to 50°C (32 to 122°F)
	Humidity	0-95% RH non-condensing
	Agency	CE, RoHS
	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 and T06 under WELL Building Standards®
Enclosure	Material	Plastic PC
	Dimenstions	132 mm x 96mm x 20 mm

Version 241230J

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