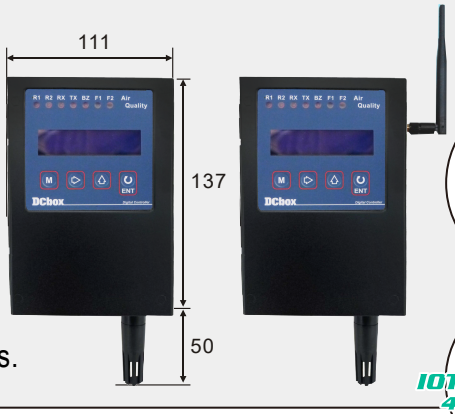
DCbox

WALL MOUNT TYPE AIR QUALITY DETECTOR (FOUR in ONE)

DCQM-19

- Detectable NO2, C2H6O, O3, NH3, H2S, HF, SO2, CL2, CH4, C2H40, H2.
- Display as high brightness OLED.
- RS-485 output, connected to XE-B1.3 for data storage.

- Two sets of relay output (optional).
- SD card can store historical data (optional).
- DC4~20mA output (optional).
- Can be paired with large displays (optional).
- Compatible with wireless LoRa transmission (optional)
  920-925MHz in compliance with NCC low power RF regulations.



SPECIFICATION

Measuring range: O_3 : 0~20.0ppm (resolution : 0.1ppm)
NO_2 : 0~20.0ppm (resolution : 0.1ppm)
NH_3 : 0~100ppm (resolution : 1ppm)
H_2S : 0~100ppm (resolution : 1ppm)
HF : 0~10ppm (resolution : 1ppm)
SO_2 : 0~20.0ppm (resolution : 0.1ppm)
CL_2 : 0~10.0ppm (resolution : 0.1ppm)
CH4 : 0~100.0% (resolution : 0.1)
C2H4O : 0~20.0ppm (resolution : 0.1ppm)
C2H6O : 0~1000ppm (resolution : 1ppm)
H2 : 0~1000ppm or 0~30000ppm (resolution : 1ppm)
Temperature : -30.0~100.0℃ (resolution : 0.1)
Humidity : 0~99.9% (resolution : 0.1)

Accuracy: H_2S ≦ reading ± 3%(25℃)
CL_2 ≦ reading ± 3%(25℃)
CH4 ≦ reading ± 3%(25℃)
C2H6O ≦ reading ± 3%(25℃)

Display: High brightness OLED

Sensor: Electrochemical sensor; CH4: DNIR; Temp.(Humi.): Digital sensor

Response time : O_3 : ≦120 sec. NO_2 : ≦25 sec.
NH_3 : ≦150 sec. H_2S : ≦30 sec.
HF : ≦60 sec. SO_2 : ≦30 sec.
CL_2 : ≦60 sec. CH4 : ≦30 sec.
C2H4O : ≦30 sec. C2H6O : ≦15 sec.
H2 : ≦60 sec. Temp./Humi.: 1 sec.

Life time : 2 years
C2H4O/ C2H6O: 1 year
O_2 :1~2 years
O_3 / NO_2 / NH_3 / H_2S / HF / SO_2
CL_2 / H2 / TVOC / HCHO: 2 years
PM2.5: 3 years
CO: 4 years
CH4: 5 years
CO_2: 10 years

Operating environment : 0~+50℃ / Below 80%RH.
Storage environment : -20~+60℃ / Below 80%RH.
Power environment : DC 24V

RS485 INTERFACE

Address : 1~FF(16 Hex)
Baudrate : 9600, 19.2K, 38.4K, 57.6K, 115.2K
Frame : N.8.2, E.8.1, O.8.1, N.8.1
Protocol : Modbus RTU mode

RELAY OUTPUT

Control system : Microcomputer
Setting range : Free setting
Relay capacity : AC 250V, 5A resistive load
DC 30V, 5A resistive load

ORDER INFORMATION

DCQM-19- □ □ □ □

1	NO2
2	O3
3	NH3
4	H2S
5	HF
6	SO2
7	CL2
8	CH4
9	C2H4O
A	H2
B	C2H6O
O	Option

N	None
1	PM2.5 / PM10
2	CO2
3	TVOC
4	HCHO
5	CO
6	O2
O	Option

1	Temp.+Humi.

1	4~20mA+Relay
2	Relay×1
3	Relay×2
4	4~20mA×1
5	4~20mA×2
Y	RS-485
L	Lora

WIRING CONNECTION