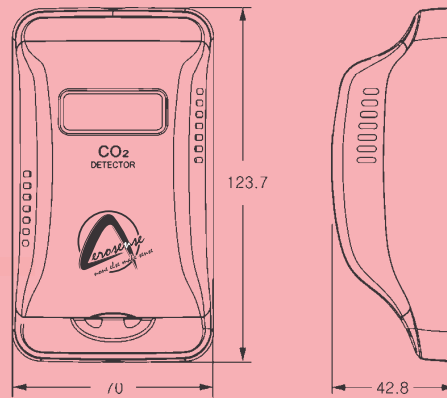




CARBON DIOXIDE TRANSMITTER



Dimensions (unit : mm)



Series CDT-300, Carbon Dioxide Transmitter, with analog output which is 3-wired supporting. It gives current/voltage output and various functions supported like as recalibration function.

FEATURES

- **CO2 Sensor:** NDIR (Non-Dispersive Infrared) technology
- **Analog Voltage/Current Output:** (3-wired)
0/4-20Ma or 0/2-10V- settable by switch
- **Re-Calibration function:** 10 minutes' manual recalibration(MCDL)
Or weekly auto-calibration (ACDL) are supported and settable by
Switch **CO2 ppm measurement range** -settable by switch
- **Power:** 24VDC, AC
- **Size:** 123mmX70mmX43mm
- **Power:** 24VDC ±20% (3-wired)

SPECIFICATIONS:

- **Operating Temperature range:** -10 to 60°C
- **Operating Humidity range:** 0 to 95% RH
- **Storage temperature:** -30 to 70°C
- **Measurement range:** 0 to 2000/ 3000/ 5000/ 10000/ 20000/ 50000/ 70000 ppm (Jumper selectable)
- **Accuracy:** ±30ppm ±3%
- **Response time:** 150 seconds
- **Response time for cold storage:** 70 seconds
- **Sampling interval:** 3 sec

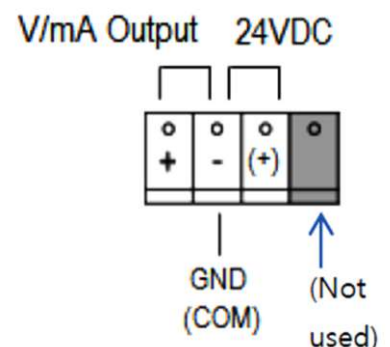
ELECTRICAL DATA

Input power: 24VDC ±20% (3-wired)

Ordering Table:

Model NO	Specifications
CDT-300	Carbon Dioxide Transmitter
CDT-300-LCD	Carbon Dioxide Transmitter with display

[3-wired]24VDC only



Wiring method for CDT-300

CARBON DIOXIDE TRANSMITTER

Jumper Function Description

■ **Jumper A (J7, J3) group: Voltage, Current output and range selection.**

V: Analog Voltage output

I: Current output

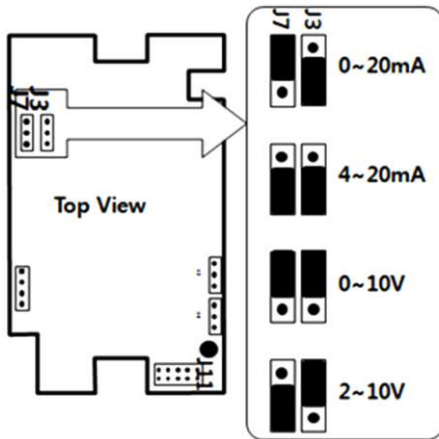
0~20mA: 0~20mA output @ Current.

0~10V output @ Voltage

4~20mA: 4~20mA output @ Current

2~10V output @ Voltage

● **[J7,J3] Output Mode**



■ **Jumper B(J11) group : CO2 Measurement range selection.**

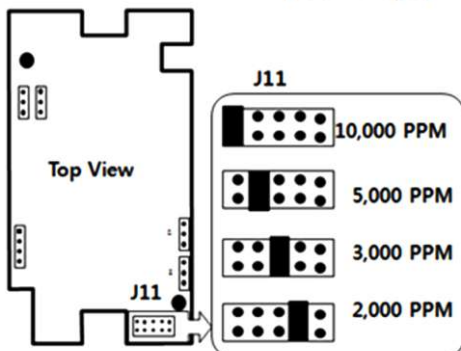
10K ppm : 0 ~ 10,000ppm CO2

5K ppm : 0 ~ 5,000ppm CO2

3K ppm : 0 ~ 3,000ppm CO2

2K ppm : 0 ~ 2,000ppm CO2

● **[J11] PPM Measurement Range (Low range)**



■ **Jumper B(J11) group for High CO2 Measurement range selection.**

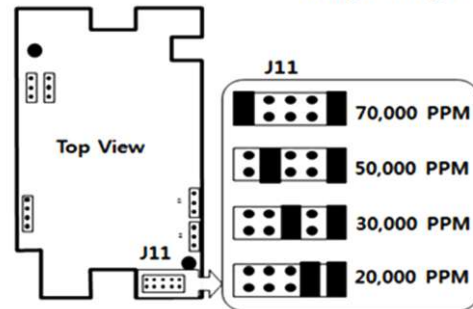
70K ppm: 0 ~ 70,000ppm CO2

50K ppm: 0 ~ 50,000ppm CO2

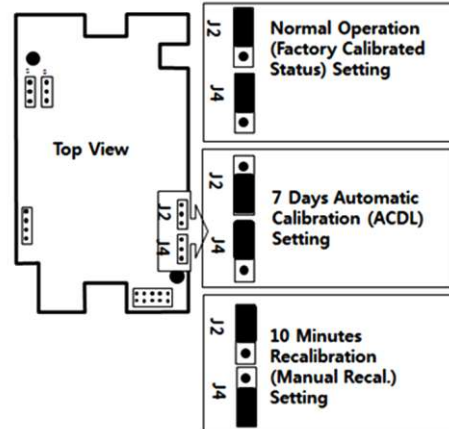
30K ppm: 0 ~ 30,000ppm CO2

20K ppm: 0 ~ 20,000ppm CO2

● **[J11] PPM Measurement Range (High range)**



● **[J2,J4] Operation Mode Selection with S-300(G) module**



● **[J13] Wiring Connector**

