

CO2 Gas Transmitter



- Operating voltage DC 14...35 V
- 0...10 Vdc and 4-20 mA
- Interface : RS-485 ModBus-RTU
- Fixed or field selectable output types
- Simple and fast mounting

Order Code : GS1-CO2-U

Technical Data

Measuring Range	5000 ppm / 10000 ppm adjustable by switch
Accuracy	400–5000 ppm : ± 30 ppm $\pm 3\%$ of reading 5000-10000 : $\pm 10\%$ of reading
Power Supply	15...30 V DC
Power Consumption	< 1.5 W
Current Output	4...20 mA
Voltage Output	0...10 Vdc
Interface	RS-485 ModBus-RTU
Operating principle	Non-dispersive infrared
Operating Temperature	0...+50°C, 0-85% RH
Storage Temperature	-30 ...+70°C
Dimensions	105 x 102 x 33 mm
Weight Packed	130 g

Switch Settings

Output 1

OUT1		Output 1
1	2	
On	On	0-10 V DC
Off	Off	4-20 mA

Output 2(Not used)

OUT2		Output 2
3	4	
Off	Off	Not used
Off	Off	Not used

Response Time(Not used)

5	Response
On	Slow
Off	Fast

Direction(Not used)

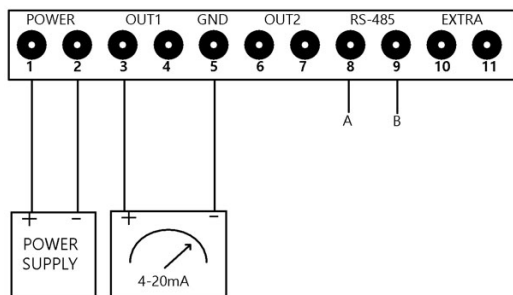
6	Direction
Off	Not used
Off	Not used

Range Settings

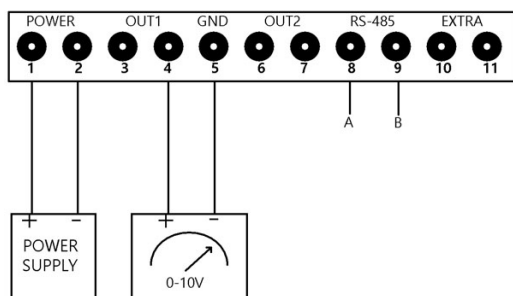
Scale		Range
7	8	
Off	Off	0-5000 ppm
Off	On	0-10000 ppm

Electrical Connection

4-20 mA Connection



0-10 V Connection



RS485 Settings

Protocol : RS-485 ModBus-RTU

Baud Rate:9600

Parity: None

Stop Bits:1

Default Slave Adress:83

Address	Function
16	OUTPUT1_Reading0H
17	OUTPUT1_Reading0L