

4-wire 4.00 - 20.00 mA output

CO₂ TRANSMITTER

Model : TRCO2-502

ISO-9001, CE, IEC1010



Lutron

LUTRON ELECTRONIC

The Art of Measurement

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CO2 TRANSMITTER

Model : TRCO2-502

FEATURES

* Build in temperature sensor, ATC (auto temperature compensation).
* CO2 sensor : NDIR, long term reliability.
* 4-wire installation.
* Linear current output (4.00 - 20.00 mA)
* Easy installation and connection.
* CO2 range 1 : 0 to 5000 ppm.
* Power supply by DC 9 ~ 30 V .
* Available for wide applications, such as aquarium, beverage, fish hatcheries, food processing, photography, laboratory, quality control, school & colleges, swimming pools, water conditions.

Electrical Specifications (23 ± 5 °C)

CO2 (Carbon dioxide)

CO2 (Carbon dioxide) 23 ± 5 °C.	Range	0 to 5,000 ppm
	Resolution	1 ppm
	Accuracy	±50 ppm
		* $\leq 1,000 \text{ ppm}$.
		±(60ppm +3% of reading)
		* $> 1,000 \text{ ppm} \leq 3,000 \text{ ppm}$.
		±(60ppm +5% of reading) typically
		* $> 3000 \text{ ppm} \leq 5,000 \text{ ppm}$
	Repeatability	± 30 ppm * $\leq 3,000 \text{ ppm}$.

@ Above specification tests under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only.

General Specifications (23 ± 5 °C)

Sensor structure	CO2	NDIR * Nondispersive infrared sensor
Measurement & Range	CO2 range 1 : 0 to 5000ppm.	
Response time	20 s (± 63%)	
Analog output	Analog output: 4 to 20 mA. * linear for range.	
Loop impedance	Max. 200 Ω @ 24 V DC.	
Power supply	Power 9 to 30 V DC @200 mA. * Ripple < 2.5% (Isolated)	
Operation Temp.	0°C to 70°C .	
Operation humidity	Max. 85% RH.	