NTP
semiconductor

Outdoor CO Carbon Monoxide Sensor

ES101CO
-2000

High measurement accuracy | High performance processor | Multiple probes available | Warm and wet use | Superior performance long-term stability
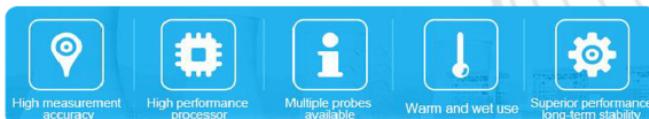
Wide CO2 Measuring Range

- 1000 / 2000ppm, +/-3% Accuracy
- 1 ppm Resolution, ≤ 2% Stability

Std. Modbus RTU RS-485, Wide Power Range

- 2-Wire RS-485
- 10~30Vdc Power Input

High Grade Enclosure Protection

- IP54 Grade Protection, ABS Plastic, UL94V0 Anti-fire
- Water-Proof, Anti-Dust with Out-Door Shelter

Optional IoT Router and Cloud Platform

- Support Modbus to connect optional NBIoT Gateway WR222-WLAN-NB for one or many sensors
- Real-time online monitoring, analysis, reporting
- Remote cloud security and visual management

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Features & Benefits

CO2 Measurement Range	ES101CO-2000: 0~2000ppm
Accuracy	±3%
CO resolution	1ppm
Stability	≤2% Signal / Month
Signal output	RS485 2-Wire output (Modbus protocol)
Operating Voltage	10~30VDC
Working Environment	-20~+50°C, 15-90%RH
Power consumption	<0.18w
Response time	≤3 Sec.
Dimension & Installation	85 x110 x 44mm; Wall Mounting

Register Address	PLC or Configuration Address	Content	Description
0000 H	40001	CO concentration value	Range: 0~2000ppm Upload real data
07D0 H	42001	Slave ID	1 ~ 254 (Factory Default 1)
07D1 H	42002	Baud Rate	0=2400 1=4800 2=9600(Default)

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