

[OESEN-GAS-100-CO₂]

Infrared CO₂ Gas Sensor

Features:

- Infrared technology
- Low cost
- Digital signal process
- High sensitivity
- Small foot print
- Easy to operate

Product description:

Infrared CO₂ gas sensor with model number **OESEN-GAS-100-CO₂** is a high sensitive, high precision gas sensor for gas analysis, process control, environment and safety monitoring application. It is also widely used in petroleum, chemical, metallurgy, tobacco, food, pharmaceutical and other industries. The sensor provides a convenient interface that can be easily and quickly connected with the existing monitoring and control systems.

Product specifications:

Parameter	OESEN-GAS-100-CO ₂ -05	OESEN-GAS-100-CO ₂ -10	OESEN-GAS-100-CO ₂ -15
Range (ppm)	0 ~ 2,000	0 ~ 2,000	0 ~ 2,000
Gas outfit(mm)	ID =2.5, OD= 4	ID =2.5, OD= 4	ID =2.5, OD= 4
Warm up (min)	20	20	20
Response time(s)	~ 15	~ 15	~ 15
Resolution(ppm)	0.01%	0.01%	0.01%
Linearity error(ppm)	<+/-20	<+/-100	<+/-0.05%
Power supplier(V)	DC 9	DC 9	DC 9
Communication mode	Modbus Ascii Series port		Modbus Ascii Series port
Operation temperature (°C)	-20 ~ + 50	-20 ~ + 50	-20 ~ + 50
Storage temperature (°C)	-20 ~ + 50	-20 ~ + 50	-20 ~ + 50
Humidity (%)	0 ~ 98	0 ~ 98	0 ~ 98
Dimension(mm)	130x30x20	130x30x20	130x30x20

* Some limitations apply.

**Tuning range can significantly vary depending on FBG specifications.

*** Recommended values. The ambient environment temperature can limit the performance, incl. the tuning range.