



**RX-9**

- CO2 Gas Sensor
- Minimal Size
- Stable Operating
- Very Good Price

EXSEN INC., CERAMICS BASED ELECTRO-CHEMICAL TYPE SENSOR

Gas Sensor Manufacturer

**EXSEN**

# CO2 Concentration – Human

## Carbon Dioxide (CO<sub>2</sub>)

The standard of indoor regulation for concentration of carbon dioxide

- Indoor standard by organization

Contaminant	Indoor standard (concentration of carbon dioxide)		
	Japan	WHO Europe	ASHRAE(USA)
Carbon dioxide	1,000	920	1,000

- Indoor standard by nation

Contaminant	Indoor standard (concentration of carbon dioxide)				
	Korea (Mechanical Ventilation)	Korea (Natural Ventilation)	Canada	Singapore	Japan (Ministry of Education)
Carbon Dioxide	1,000	1,500	3,500	1,000	1,500

## Carbon dioxide for Human body

CO <sub>2</sub> (ppm)	Influence	Location Example
<450	Healthy	Outdoor
~700	Good for long time	-
~1,000	No bad influence to human but some people feels stifled	Office
~2,000	Dozy, little dizzy	Express bus Elevator
~3,000	Headache, shoulder pain	Metro
~4,000	Eye, Throat stimulation, Headache, dizzy, elevating blood pressure, Tinnitus	
~6,000	Increased respiration rate	
~8,000	Dyspnea	
~10,000	Loss of consciousness, sight in 2~3 minutes.	
~20,000	Death	