

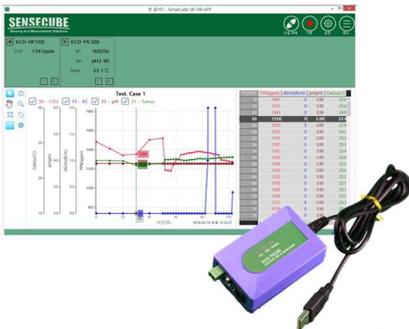
KCD-HS

CO2 Sensor Probe

0~2,000ppm / 0~3,000ppm,
0~5,000ppm / 0~10,000ppm(1%)
0~2% / 0~5% / 0~10% / 0~20%



- This is the first developed and commercialized Dual Wavelength NDIR CO2 gas sensor.
- As a Dual Wavelength type, unlike the general Single Wavelength type, measurement errors can be minimized due to changes over time and the influence of external temperature, and stable data can be obtained for a long time.
- It maintains excellent precision and stability by calibrating and calibrating it with sophisticated facilities and processes.
- It can be applied to test facilities, CO2 chambers, cell incubators, and environmental monitoring and control systems.
- For the protocol for communication, refer to a separate document.
- Program SENSECUBE Logger program SR100 installation environment This is Microsoft Windows 7 / 8 / 10. (See website for details)



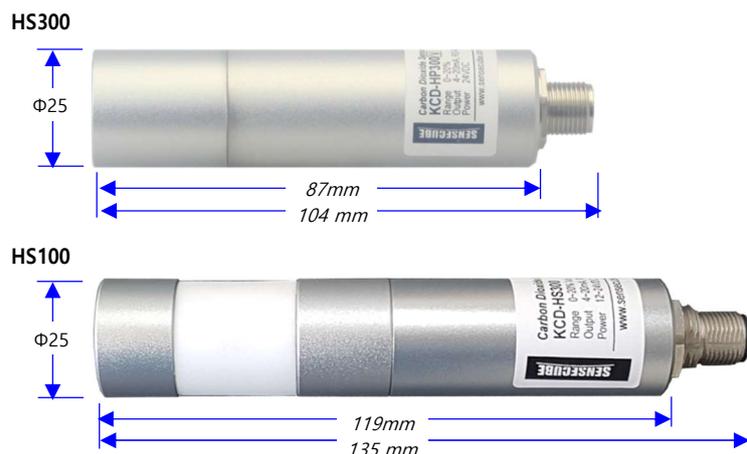
The Accessories that can be used together



■ SPECIFICATIONS

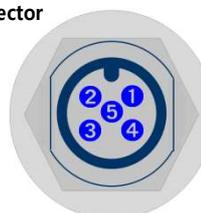
Measurement way		Dual NDIR(Non Dispersive Infrared)	
Measurement	Measurement range	HS100 : 2000ppm, 3,000ppm, 5,000ppm, 1% HS300 : 2%, 5%, 10%, 20%	
	Accuracy	±(3% F.S.+2%Reading)	@25°C
	Response time	Within 65 sec.	63% of change
	Initial start-up time	Within 1 min.	
	Measurement time interval	0.75 sec.	
Operating Conditions	Operating temperature	5 ~45°C	
	Humidity	~95%RH	Non-condensing
	Storage temperature	-40 ~ 70°C	
	Temperature dependence	0.2% FS / °C	
	Measurement Flow speed	0.2~1 m/sec	
Electrical	Power supply	12~24VDC	
	Power consumption	Average 70mA	
Outputs	Communication	RS-485(Modbus RTU)	
	Analog Output	4~20mA, 0~10VDC, 0~5VDC	
Dimensions	Probe Size/Weight	HS100 : Φ25 x 135mm About 85g HS300 : Φ25 x 104mm About 70g	
	Cable	3m, 5pins	

■ Outside View



■ Connector

Sensor connector



- ① +V
- ② GND
- ③ RS-485(+)
- ④ RS-485(-)
- ⑤ Analog Output

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CO₂ Sensor Probe

0~2,000ppm / 0~3,000ppm,
0~5,000ppm / 0~10,000ppm(1%)
0~2% / 0~5% / 0~10% / 0~20%

Cable



Brown : +V	①
Black : GND	②
Gray : RS-485(+)	③
Blue : RS-485(-)	④
White : Analog Out	⑤