

# KCD-HC

## CO<sub>2</sub> Sensor (2%, 5%, 10%, 20%)

Our CO<sub>2</sub> gas sensors get a small deviation unlike NDIR Single type. So they keep long term stability.

### Excellent stability and accuracy

- through testing and calibration with sophisticated process and techniques

### Easy application to

- Test facilities
- Cell incubators
- CO<sub>2</sub> Chambers
- Environment controlling system
- Environment monitoring system

NDIR type uses optical property to measuring CO<sub>2</sub> gas. We make up for a controller not to be affected by a shock and a wave(vibration).

But please consult with our engineers, if you use it under harsh environments (like construction sites).

### Ordering Code

KCD-HC XXX X  
 100 T  
 200 C  
 300  
 400

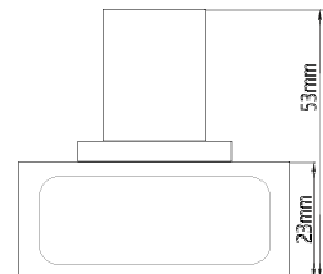
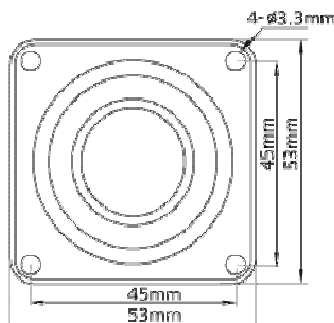
\* 100 : 2%, 200 : 5%,  
 300 : 10%, 400 : 20%

\* T : Terminal type  
 C : Cable type



### SPECIFICATIONS

■ <b>Measurement</b>	Sensing Method	Dual Wavelength NDIR	
	Measurement range	2%, 5%, 10%, 20%	
	Accuracy*	±(3%F.S+2%Reading)	
	Response time (63%)	< 65 sec	
	Measurement time interval	1.5 sec	
■ <b>General</b>	Warm up time	< 3 min	
	Storage temperature	-40~70 °C	
	Temperature dependence	0.2% FS / °C	
■ <b>Operating Conditions</b>	Temperature	5 ~45 °C	
	Humidity	0~95%RH (Non-condensing)	
	Gas flow rate	0.2~1 m/sec	
■ <b>Electrical</b>	Power consumption	70mA average	
	Power supply (rectified)	8~15VDC	14~28VDC
■ <b>Outputs</b>	Analog Outputs	1~5VDC	0 ~10VDC, 4~20mA
	Communication	RS485	UART
■ <b>Dimensions</b>	□ 53mm x H 53mm		



Contact us If you want to add technical functions or change specifications as you apply our CO<sub>2</sub> sensor to your product.

Our engineers will support you.

\* Under conditions of calibration facilities of production factory, @25 °C , intermediate value of detected ranges.  
 ※ Specifications and images may change without prior notice.