

<b>2120e</b>	<b>Product Information</b>	<b>thermokon<sup>®</sup></b> asia pacific
CRW5- Series (CO2&H&T)	Air Quality (CO2), Humidity and Temperature Room Active Sensor	



The CRW5-Series (CO2&H&T) is designed to measure air quality, humidity and temperature in rooms and areas. The air quality is measured based on CO2 levels (CO2= Carbon dioxide). The air quality sensor output and humidity are active, the temperature sensor output can be active or passive. Optional with display is available.

<b>Use</b>	<p>Compatible to all common HVAC DDC and Analog Controls systems, with/without Building Automation System</p> <p>Air quality (CO2), humidity and temperature measurement in rooms and areas</p> <p>Used in all common HVAC applications</p> <p>Used in Commercial and Industrial Buildings</p>
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<b>Features</b>	<p>Sensor with active outputs</p> <p>With self Calibration ABClogic</p> <p>Professional and practical product design, withstands rough environmental conditions</p> <p>Easy to use, install and maintain</p>
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<b>Product Range</b>	<b>Sensor Output</b>										<b>Display</b>
	<b>Model</b>	<b>CO2</b>	<b>Humidity</b>	<b>Temperature</b>							
		0-10V	0-10V	0-10V	PT100	PT1000	NTC10k	NTC10kPre	NTC20k	Ni1000	LCD
	CRW5.FB	•	•	•							
	CRW5.HB	•	•	•							•
	CRW5.FJ	•	•	•	•						
	CRW5.FK	•	•	•		•					
	CRW5.FM	•	•	•			•				
	CRW5.FO	•	•	•				•			
	CRW5.FN	•	•	•					•		
CRW5.FL	•	•	•						•		

All Information and technical data are subject to alteration



**Advices**

**Security Advice**



The installation and assembly of electrical equipment may only be performed by a skilled electrician. The products must not be used in any relation with equipment that supports, directly or indirectly, human health, life or with applications that can result in danger for people, animals or real value.

**Mounting Advices**



Mounted with screws and wall plugs onto a smooth wall surface.  
For wiring, the Snap-On lid must be separated from the base plate.  
The end of the installation tube in the flush box must be sealed, if the device is mounted on standard flush box.

**Installation Notes**



The product must be installed at a suitable place and within the range of validity of the local electrical installation laws and regulations. 2GND-wires must be laid to the CO2 sensor; one for the supply voltage and one for the measuring current to avoid a voltage drop. Installation place must be made on representative places to measure CO2. Humidity and Temperature, to avoid a falsification of the measuring result.  
Solar radiation and draught should be avoided.

**Commissioning Notes**



Sensing devices with transducers should in principle be operated in the middle of the measuring range. The ambient temperature of the transducer electronics should be kept constant. When switching the supply voltage on/off, power surges must be avoided on site. When using the sensor in aggressive gases, an early recalibration or a change of the humidity sensor can be come necessary. Such a recalibration or a probable sensor change do not come under the general warranty.

**Dimensional Drawing**

