

## EnOcean Equipment Profiles

### REVISION HISTORY

Ver.	Editor	Change	Date
2.6.8	NM	Last xml edition of the EEP-Specification	Dec 31, 2017

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## System Specification



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## A5-09: Gas Sensor

<b>RORG</b>	A5	<b>4BS Telegram</b>
<b>FUNC</b>	09	Gas Sensor
<b>TYPE</b>	09	Pure CO2 Sensor with Power Failure Detection

Submitter: Afriso / EnOcean

### Description

Pure CO2 sensor with 8 bit resolution and 0 – 2000ppm.  
1 digital Input – Power failure detection.

### Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Trigger event: change of value over threshold, heartbeat, change of digital Input

Teach-in method: 4BS teach-in 2

### Remark

Power failure detection expresses that the device was cut from power source (unplugged / general power failure) and the device will probably stop functioning very soon. In this case the measured value CO2 is the last valid value.

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	16	DB3.7...DB2.0	Not Used (= 0)					
16	8	DB1.7...DB1.0	CO2	CO2	CO2 measurement	0...255	0...2000	ppm
24	4	DB0.7...DB0.4	Not Used (= 0)					
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum:		
						0: Teach-in telegram		
						1: Data telegram		
29	1	DB0.2	Power Failure detection	PFD	Indicates if power supply has a failure / is not available	Enum:		
						0: Power failure not detected		
						1: Power failure detected		
30	2	DB0.1...DB0.0	Not Used (= 0)					