

EnOcean Equipment Profiles

REVISION HISTORY

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System Specification



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A5-09: Gas Sensor

RORG	A5	4BS Telegram
FUNC	09	Gas Sensor
TYPE	0B	Radioactivity Sensor

Submitter: SIMICS

Description

Radioactivity Sensor

Data exchange

Direction: unidirectional

Addressing: broadcast

Communication trigger: event- & time-triggered

Communication interval: -

Trigger event: change in radioactivity level

Tx delay: -

Rx timeout: -

Teach-in

Teach-in method: 4BS teach-in 2

Security

Encryption supported: yes

Security level format: PSK, RLC, AES128

Offset	Size	Bitrange	Data	ShortCut	Description	Valid Range	Scale	Unit
0	4	DB3.7...DB3.4	Supply voltage	SV	Supply voltage / super cap.	0...15	2.0...5.0	V
4	4	DB3.3...DB3.0	Not Used (= 0)					
8	16	DB2.7...DB1.0	Radioactivity	Ract	Radiation level	0...65535	0...6553	According to
24	4	DB0.7...DB0.4	Scale Multiplier	SCM	Scale Multiplier	Enum: 0: 0.001 1: 0.01 2: 0.1 3: 1 4: 10 5: 100 6: 1000 7: 10000 8: 100000		
28	1	DB0.3	LRN Bit	LRNB	LRN Bit	Enum: 0: Teach-in telegram 1: Data telegram		
29	2	DB0.2...DB0.1	Value unit	VUNIT	The unit of the radiation level	Enum: 0: µSv/h 1: cpm 2: Bq/L 3: Bq/kg		
31	1	DB0.0	Supply voltage availability	SVA	Supply voltage availability at SV	Enum: 0: Supply voltage is not supported 1: Supply voltage is supported		