

# GAS SENSORS, CIRCUITRY & MEASURING SYSTEMS

## PRODUCT LISTING

Gas	Sensor Name	Measurement Range	Part No
<b>Ammonia NH<sub>3</sub></b>	NH <sub>3</sub> 4-20 mA transmitter including sensor	<b>0 – 100 ppm</b>	2112B0311
	NH <sub>3</sub> gas measuring system – NH <sub>3</sub> sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>0 – 100 ppm</b>	2112B0312
<b>Carbon Dioxide CO<sub>2</sub> Miniature Range</b>	C2 miniature infrared CO <sub>2</sub> sensor with RS232 transmitter	<b>Standard: 0 – 5 % Volume</b> Optional: 0 – 20 % Volume 0 – 65 % Volume 0 – 100 % Volume Other ranges available on request from 200ppm – 100% volume	2112BC2
	C2 miniature infrared CO <sub>2</sub> sensor with 0-5V analogue module	<b>Standard: 0 – 5 % Volume</b> Optional: 0 – 20 % Volume 0 – 65 % Volume 0 – 100 % Volume Other ranges available on request	2112BC2-ANALOGUE
	C2 Development kit (two line alphanumeric display and zero function) including C2 miniature infrared CO <sub>2</sub> sensor with RS232 transmitter	<b>Standard: 0 – 5 % Volume</b> Optional: 0 – 20 % Volume 0 – 65 % Volume 0 – 100 % Volume Other ranges available on request from 200ppm - 100% volume	2112BC2-KIT
	C1 infrared CO <sub>2</sub> sensor with RS232 transmitter for low range applications	<b>Standard: 0 – 2000 ppm</b> Optional: 0 – 2 % Volume Other ranges available on request	2112BC1
	C1 infrared CO <sub>2</sub> sensor with 0-4V analogue module for low range applications	<b>Standard: 0 – 2000 ppm</b> Optional: 0 – 2 % Volume Other ranges available on request	2112BC1-ANALOGUE
	C1 Development kit (two line alphanumeric display and zero function) including C100 infrared CO <sub>2</sub> sensor	<b>Standard: 0 – 2000 ppm</b> Optional: 0 – 2 % Volume Other ranges available on request	2112BC1-KIT

Gas	Sensor Name	Measurement Range	Part No
<b>Carbon Dioxide CO<sub>2</sub> Miniature Range</b>	CZ ultra low power (3.5mW) infrared CO <sub>2</sub> sensor with RS232 transmitter. <i>Optional temperature and humidity output available</i>	<b>Standard:</b> <b>0 – 2000 ppm</b> <b>0 – 5 % Volume</b> Optional: 0 – 1 % Volume 0 – 2 % Volume 0 – 20 % Volume 0 – 65 % Volume 0 – 100 % Volume Other ranges available on request from 200ppm – 100% volume	2112BCZ
	CZ ultra low power (3.5mW) infrared CO <sub>2</sub> sensor with 0-4V analogue module	<b>Standard:</b> <b>0 – 2000 ppm</b> <b>0 – 5 % Volume</b> Optional: 0 – 1 % Volume 0 – 2 % Volume 0 – 20 % Volume 0 – 65 % Volume 0 – 100 % Volume Other ranges available on request	2112BCZ-ANALOGUE
<b>Carbon Dioxide CO<sub>2</sub> Standard Range</b>	C3 standard infrared CO <sub>2</sub> sensor with 4-20mA transmitter	<b>Standard: 0 – 3000 ppm</b> Optional: 0-4000ppm, 0-5000ppm, 0-10,000ppm, 0-20,000ppm, 0-30,000ppm (please specify range required)	2112B7000
	C3 standard infrared CO <sub>2</sub> sensor with 4-20mA transmitter	<b>Standard: 0 – 5 % Volume</b> Optional: 0 – 6 % Volume, 0 – 7 % Volume, 0 – 10 % Volume (please specify range required)	2112B7050
	Indoor air quality infrared CO <sub>2</sub> monitor. Output: 4-20mA or 0-10V. Power supply: 24V d.c.	<b>0 – 3000 ppm</b>	2112B8000
	'Luftgüte' mobile indoor air quality infrared CO <sub>2</sub> monitor with traffic light option including power supply unit 100-250V a.c. 50Hz	<b>0 – 3000 ppm</b>	2112B8000-TLM
	'Luftgüte' two relay indoor air quality infrared CO <sub>2</sub> monitor with traffic light option. Power supply: 24V d.c.	<b>0 – 3000 ppm</b>	2112B8000-TLR
	CO <sub>2</sub> gas measuring system – heavy duty C3 infrared CO <sub>2</sub> sensor with 4-20mA transmitter in aluminium housing. PG11 cable gland	<b>Standard: 0 – 3000 ppm</b> Optional: 0 - 4000 ppm, 0 - 5000 ppm, 0 - 10,000 ppm, 0 - 20,000 ppm, 0 - 30,000 ppm (please specify range required)	2112B9000
	CO <sub>2</sub> gas measuring system – heavy duty C3 infrared CO <sub>2</sub> sensor with 4-20mA transmitter in aluminium housing. PG11 cable gland	<b>Standard: 0 – 5 % Volume</b> Optional: 0 - 6% Volume, 0 - 7% Volume, 0 - 10 % Volume (please specify range required)	2112B9050
	CO <sub>2</sub> gas measuring system – heavy duty C3 infrared CO <sub>2</sub> sensor suitable and certified for use in hazardous areas Zone 2 in aluminium housing. Ex e cable gland	<b>Standard: 0 – 5000 ppm</b> Optional: 0 – 1 % Volume, 0 – 5 % Volume. (please specify range required)	2112B9055

Gas	Sensor Name	Measurement Range	Part No
<b>Carbon Dioxide CO<sub>2</sub> Standard Range</b>	Test and calibration software for C3 standard CO <sub>2</sub> infrared sensors	N/A	2112B9075
	Data cable 2.5 metres for test/calibration software for C3 standard CO <sub>2</sub> infrared sensors	N/A	2112B9085
	Test Gas Cap and installation ring for C3 standard CO <sub>2</sub> infrared sensors	N/A	2112B1011
<b>Carbon Monoxide CO</b>	ECO-Sure CO (2e) sensor	<b>0 – 500 ppm</b>	2112B3000
	ECO-Sure (2e) 4-20 mA transmitter including sensor	<b>Standard: 0 – 300 ppm</b> Optional: 0 – 500 ppm 0 – 100 ppm	2112B1005
	Eco-Sure (2e) transmitter installation kit (sensor holder; o-ring; sinter disc; installation ring)	N/A	2112B1002
	CO gas measuring system – ECO-Sure (2e) sensor, 4-20mA transmitter and installation kit in aluminium housing. PG11 cable gland	<b>Standard: 0 – 300 ppm</b> Optional: 0 – 500 ppm on request	2112B1013
	CO Detector Head for Car Park Monitoring System	<b>0 – 300 ppm</b>	2112BGMS-TRL
	Relay Unit for Car Park CO Monitoring System	N/A	2112BGMS-RZ
	ECO-Sure CO (2e) LXH version sensor (low Hydrogen cross-sensitivity)	<b>0 – 500 ppm</b>	2112B3008
	Eco-Sure (2e) LXH version 4-20 mA transmitter including sensor	<b>Standard: 0 – 300 ppm</b> Optional: 0 – 500 ppm on request	2112B1006
	Eco-Sure (2e) LXH version transmitter installation kit	N/A	2112B1003
	CO gas measuring system – Eco-Sure (2e) LXH version sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>Standard: 0 – 300 ppm</b> Optional: 0 – 500 ppm on request	2112B1014
	SureCell CO (M) sensor	<b>0 – 1000 ppm</b>	2112B2003
	SureCell CO (M) 4-20 mA transmitter including sensor	<b>0 – 1000 ppm</b> Optional: 0 – 200 ppm	2112B1020
	CO gas measuring system – SureCell CO (M) sensor, 4-20 mA transmitter and installation kit in aluminium housing	<b>0 – 1000 ppm</b>	2112B1023
	SureCell CO (M) transmitter installation kit	N/A	2112B1022
	SureCell CO (H) sensor	<b>0 – 500 ppm</b>	2112B2004
	CO SS sensor	<b>0 – 4000 ppm</b>	2112B010440

Gas	Sensor Name	Measurement Range	Part No
Chlorine Cl <sub>2</sub>	SureCell Cl <sub>2</sub> sensor	<b>0 – 20 ppm</b>	2112B2035
	SureCell Cl <sub>2</sub> 4-20 mA transmitter including sensor	<b>0 – 20 ppm</b> Optional: 0 – 10 ppm	2112B1035
	SureCell Cl <sub>2</sub> transmitter installation kit	N/A	2112B1022
	Cl <sub>2</sub> gas measuring system – SureCell Cl <sub>2</sub> sensor, 4-20 mA transmitter and installation kit in aluminium housing	<b>0 – 20 ppm</b>	2112B1018
Flammable Gases	CAT16 – pellistor elements	<b>0 – 100 % LEL</b>	2111B2016
	CAT25 – pellistor elements	<b>0 – 100 % LEL</b>	2111B2125
	Zellpell sensor (CAT25 elements built into certified housing)	<b>0 – 100 % LEL</b>	2118B0106
	Zellpell 4-20mA transmitter including sensor and installation kit	<b>0 – 100 % LEL</b>	2112B1000
	Zellpell transmitter installation kit	N/A	2112B1003
	Flammable gas monitoring system – Zellpell sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>0 – 100 % LEL</b>	2112B1004
Hydrogen H <sub>2</sub>	H <sub>2</sub> SS sensor	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume on request	Micro sensor: 2112B012710 Raw sensor: 2112B010210 Nano sensor: 2112B011710 4 series sensor: 2112B010410
	H <sub>2</sub> SS 1-10V transmitter including sensor	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume	2112B011410
	H <sub>2</sub> SS 0.2-1.8V transmitter including sensor	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume	2112B012410
	H <sub>2</sub> SS 4-20mA transmitter including sensor	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume	2112B24421
	USB gas sensor stick for H <sub>2</sub> SS sensor in USB housing with software	N/A	2112B051001
	USB gas sensor stick for 4 series H <sub>2</sub> SS sensor with cable and adaptor	N/A	2112B051002
	H <sub>2</sub> measuring system – 1-4V transmitter including H <sub>2</sub> SS sensor and PVC housing	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume on request	2112B0090
	H <sub>2</sub> measuring system – 4-20mA transmitter including sensor and aluminium housing	<b>0 – 2% Volume</b> Optional: 0 – 4% Volume on request	2112B24420

Gas	Sensor Name	Measurement Range	Part No
<b>Hydrogen Sulphide H<sub>2</sub>S</b>	SureCell H <sub>2</sub> S (L) sensor	<b>0 – 200 ppm</b>	2112B2021
	SureCell H <sub>2</sub> S (L) 4-20 mA transmitter including sensor	<b>0 – 200 ppm</b> Optional: 0 – 100 ppm 0 – 50 ppm	2112B1015
	SureCell H <sub>2</sub> S (L) transmitter installation kit	N/A	2112B1022
	H <sub>2</sub> S gas measuring system – SureCell H <sub>2</sub> S (L) sensor, 4-20 mA transmitter and installation kit in aluminium housing	<b>0 – 200 ppm</b> Optional: 0 – 100 ppm	2112B1016
	SureCell H <sub>2</sub> S (M) sensor	<b>0 – 100 ppm</b>	2112B2022
	SureCell H <sub>2</sub> S (H) sensor	<b>0 – 100 ppm</b>	2112B2023
<b>Nitrogen Dioxide NO<sub>2</sub></b>	NO <sub>2</sub> sensor	<b>0 – 20 ppm</b>	2112B9998
	NO <sub>2</sub> 4-20mA transmitter including sensor and installation kit	<b>0 – 20 ppm</b>	2112B9999
	NO <sub>2</sub> transmitter installation kit	N/A	2112B1012
	NO <sub>2</sub> gas measuring system – NO <sub>2</sub> sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>0 – 20 ppm</b>	2112B9995
<b>Oxygen O<sub>2</sub></b>	O <sub>2</sub> SS sensor	<b>0 – 10% Volume</b>	Nano sensor: 2112B011730
	O <sub>2</sub> SS sensor	<b>0 – 30% Volume</b>	Micro sensor: 2112B012730 Raw sensor: 2112B010230 Nano sensor: 2112B011730 4 series sensor: 2112B010430
	O <sub>2</sub> SS 0-10V transmitter only (excluding sensor). Suitable for SS sensor Nano, Micro or 4 Series	<b>0 – 25 % Volume</b>	2112B060400
	O <sub>2</sub> SL sensor	<b>0 – 25 % Volume</b>	2112B4530
	O <sub>2</sub> SL 4-20mA transmitter including sensor and installation kit	<b>0 – 25 % Volume</b>	2112B4532
	O <sub>2</sub> gas measuring system – O <sub>2</sub> SL sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>0 – 25 % Volume</b>	2112B4533
	<b>Sulphur Dioxide SO<sub>2</sub></b>	SO <sub>2</sub> gas measuring system – SO <sub>2</sub> sensor, 4-20mA transmitter and installation kit in aluminium housing	<b>Standard: 0 – 100 ppm</b> Optional: 0 – 50 ppm

Gas	Sensor Name	Measurement Range	Part No
Accessories	Test Gas Cap suitable for all 4-20mA transmitters	N/A	2112B1010
	MODBUS Card suitable for all 4-20 mA transmitters	N/A	2112B1050
	MODBUS Card suitable for all 4-20 mA transmitters in aluminium housing with cabling glands	N/A	2112B1055
	Gas detection controller for up to 2 remote 4-20mA transmitters	N/A	2112BGWZ-S2
	Gas detection controller for up to 4 remote 4-20mA transmitters	N/A	2112BGWZ-S4
	Gas detection controller for up to 6 remote 4-20mA transmitters	N/A	2112BGWZ-S6

If you are unable to find a gas sensor here to meet your needs,  
or you require assistance, please call us on:

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We will be pleased to find you the solution!

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