

• **GAS SENSORS • CIRCUITRY • MEASURING & MONITORING SYSTEMS • ACCESSORIES •**

- PRODUCT LISTING 2015 -

| Gas   | Description                 | Sensor/Product Name   | Measurement Range                                     | Part No    |
|---|-----------------------------|---|---|------------|
| <b>Ammonia NH<sub>3</sub></b>   | Gas sensor                  | NH <sub>3</sub> S4 (H) gas sensor (4 series) – non biased version   | <b>0 – 100 ppm, 0 – 300 ppm or 0 – 1000 ppm</b>       | 2112B0309  |
|   | Gas sensor                  | NH <sub>3</sub> S7 gas sensor (7 series) – biased version   | <b>0 – 100 ppm</b>                                    | 2112B0307  |
|   | Gas sensor                  | NH <sub>3</sub> S7 (H) gas sensor (7 series) – non biased version   | <b>0 – 100 ppm or 0 – 1000 ppm</b>                    | 2112B0308  |
|   | Gas sensor with transmitter | NH <sub>3</sub> 4-20mA transmitter including sensor   | <b>Standard: 0 – 100 ppm</b><br>Optional: 0 – 1000ppm | 2112B0311  |
|   | Gas measuring system        | NH <sub>3</sub> gas measuring system – NH <sub>3</sub> sensor, 4-20mA transmitter and installation kit in aluminium housing   | <b>Standard: 0 – 100 ppm</b><br>Optional: 0 – 1000ppm | 2112B0312  |
| <b>Butane C<sub>4</sub>H<sub>10</sub></b><br><i>(See also 'Flammable Gases Pellistors' category for more options)</i> | Gas sensor with transmitter | Infrared Butane C <sub>4</sub> H <sub>10</sub> calibrated sensor in 4 or 7 series standard sizes with integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.              | <b>0 – 100 % LEL</b>                                  | 2112BM4-V  |
|   | Gas sensor with transmitter | ATEX or IECEx certified infrared Butane C <sub>4</sub> H <sub>10</sub> calibrated sensor in 4 series standard size integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request. | <b>0 – 100 % LEL</b>                                  | 2112BM4A-V |

| Gas   | Description                 | Sensor/Product Name   | Measurement Range   | Part No                      |
|---|-----------------------------|---|---|------------------------------|
| <b>Carbon Dioxide<br/>CO<sub>2</sub><br/>Miniature<br/>Sensor Range</b> | Gas sensor with transmitter | C1 & C2 ultra low power (3.5mW) infrared CO <sub>2</sub> sensor with RS232 transmitter<br><br><i>Optional temperature and humidity output available</i>                   | <b>Standard:</b><br><b>0 – 2000 ppm</b><br><b>0 – 5 % Volume</b><br>Optional:<br>0 – 5000 ppm, 0 – 1 % Volume,<br>0 – 20 % Volume, 0 – 60 % Volume,<br>0 – 100 % Volume<br>Other ranges available on request<br>from 200ppm – 100% volume | 2112BC1<br>or<br>2112BC2     |
|   | Gas sensor with transmitter | C1 & C2 ultra low power (3.5mW) infrared CO <sub>2</sub> sensor with analogue voltage transmitter option<br><br><i>Optional temperature and humidity output available</i> | <b>Standard:</b><br><b>0 – 2000 ppm</b><br><b>0 – 5 % Volume</b><br>Optional:<br>0 – 5000ppm, 0 – 1 % Volume,<br>0 – 20 % Volume, 0 – 60 % Volume,<br>0 – 100 % Volume<br>Other ranges available on request                               | 2112BC1-V<br>or<br>2112BC2-V |
|   | Gas sensor with transmitter | C2 'high speed' (20 readings per second) low power (35mW) infrared CO <sub>2</sub> sensor with RS232 transmitter  | <b>Standard:</b><br><b>0 – 5 % Volume</b><br>Optional:<br>0 – 20 % Volume, 0 – 60 % Volume,<br>0 – 100 % Volume<br>Other ranges available on request<br>from 200ppm – 100% volume   | 2112BC2SPD                   |
|   | Accessories                 | Gas flow adaptor housing for C2 infrared CO <sub>2</sub> sensors  | <b>N/A</b>  | 2112BC12-H                   |
|   | Accessories                 | USB cable for C1 & C2 miniature sensors   | <b>N/A</b>  | 2112BC12USB                  |

| Gas   | Description          | Sensor/Product Name   | Measurement Range                  | Part No           |
|---|----------------------|---|------------------------------------|-------------------|
| <b>Carbon Dioxide<br/>CO<sub>2</sub><br/>Miniature<br/>Sensor Range</b> | Gas measuring system | <p>EMS Environmental &amp; Air Quality Monitoring System with C1 infrared CO<sub>2</sub> sensor. Power supply: 24V d.c.</p> <p>Standard options:</p> <ol style="list-style-type: none"> <li>1. CO2 Monitor, with traffic light LEDs and buzzer.</li> <li>2. CO2 Monitor, with traffic light LEDs and Modbus RTU interface.</li> <li>3. CO2 Monitor, with Rh, Temperature, LEDs and Modbus RTU interface .</li> <li>4. CO2 Monitor, with traffic light LEDs and 3 Relays.</li> </ol> <p>Additional options on request:</p> <ul style="list-style-type: none"> <li>• mains power converter with plug</li> <li>• plain cover without LEDs</li> <li>• Oxygen sensor</li> <li>• Humidity</li> <li>• Temperature</li> <li>• Pressure</li> <li>• Alternative outputs – current 4-20mA; voltage 1-5Vdc or 0-5Vdc or 0-10Vdc; digital RS232 or RS485 industry standard Modbus RTU protocol; or up to 3 relays with configurable switching levels.</li> </ul> | <b>0 – 3000 ppm or 0 – 5000ppm</b> | <b>2112BC2300</b> |

| Gas  | Description                 | Sensor Name  | Measurement Range  | Part No       |
|--|-----------------------------|--|--|---------------|
| <b>Carbon Dioxide<br/>CO<sub>2</sub> Standard<br/>Sensor Range</b> | Gas sensor with transmitter | C3 standard infrared CO <sub>2</sub> sensor with 4-20mA or 0.1-10V transmitter   | <b>Standard: 0 – 3000 ppm</b><br>Optional: 0 – 5000 ppm , 0 – 6000 ppm,<br>0 – 10,000 ppm, 0 – 20,000 ppm,<br>0 – 30,000 ppm<br>(please specify range required<br>– others on request) | 2112B7000     |
|  | Gas sensor with transmitter | C3 standard infrared CO <sub>2</sub> sensor with 4-20mA or 0.1-10V transmitter   | <b>0 – 5 % Volume</b>  | 2112B7050     |
|  | Gas measuring system        | Indoor air quality infrared CO <sub>2</sub> monitor.<br>Output: 4-20mA or 0.1-10V. Power supply: 24V d.c.  | <b>0 – 3000 ppm</b>  | 2112B8000     |
|  | Gas measuring system        | '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 |
|  | Gas measuring system        | '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 |
|  | Gas measuring system        | CO <sub>2</sub> gas measuring system – heavy duty C3 infrared CO <sub>2</sub> sensor with 4-20mA or 0.1-10V transmitter in aluminium housing. PG11 cable gland | <b>Standard: 0 – 3000 ppm</b><br>Optional: 0 – 5000 ppm , 0 – 6000 ppm,<br>0 – 10,000 ppm, 0 – 20,000 ppm,<br>0 – 30,000 ppm<br>(please specify range required<br>– others on request) | 2112B9000     |
|  | Gas measuring system        | CO <sub>2</sub> gas measuring system – heavy duty C3 infrared CO <sub>2</sub> sensor with 4-20mA or 0.1-10V transmitter in aluminium housing. PG11 cable gland | <b>0 – 5 % Volume</b>  | 2112B9050     |
|  | Gas measuring system        | CO <sub>2</sub> gas warning system – cellar warning system with infrared CO <sub>2</sub> sensor and warning units, ideal for beer cellars                      | <b>1,5 % – visual / sound pre-alarm</b><br><b>3% – visual / sound main alarm</b>   | 2112B0600     |
|  | Accessories                 | Test and calibration software for all CO <sub>2</sub> infrared C3 sensors including data cable 2.5 metres for software   | N/A  | 2112B9075     |
|  | Accessories                 | Test Gas Cap and installation ring for C3 standard CO <sub>2</sub> infrared sensors  | N/A  | 2112B1011     |

| Gas  | Description                 | Sensor Name  | Measurement Range   | Part No    |
|--|-----------------------------|--|---|------------|
| <b>Carbon Dioxide<br/>CO<sub>2</sub><br/>4 &amp; 7 Series<br/>Sensor Range</b> | Gas sensor with transmitter | C4 infrared CO <sub>2</sub> sensor in 4 or 7 series standard sizes with integrated digital and analogue (0.4-2.0V) transmitter. Output on request.                   | <b>Standard:</b><br><b>0 – 5000 ppm</b><br>Optional:<br>0 – 1 % Volume<br>0 – 2 % Volume<br>0 – 5 % Volume<br>0 – 30 % Volume | 2112BC4-V  |
|  | Gas sensor with transmitter | ATEX or IECEx certified C4 infrared CO <sub>2</sub> sensor in 4 series standard size with integrated digital and analogue (0.4-2.0V) transmitter. Output on request. | <b>Standard:</b><br><b>0 – 5000 ppm</b><br>Optional:<br>0 – 1 % Volume<br>0 – 2 % Volume<br>0 – 5 % Volume<br>0 – 30 % Volume | 2112BC4A-V |
| <b>Carbon Dioxide<br/>CO<sub>2</sub><br/>Miniature<br/>Sensor Range</b>        | Gas sensor with transmitter | C5 semiconductor CO <sub>2</sub> and VOCs sensor with integrated analogue 0.5V and digital i <sup>2</sup> C-bus output transmitter                                   | <b>400 – 2000 ppm</b>   | 2112BC500  |

| Gas                       | Description                   | Sensor Name   | Measurement Range   | Part No    |
|---------------------------|-------------------------------|---|---|------------|
| <b>Carbon Monoxide CO</b> | Gas sensor                    | ECO-Sure CO (2e) sensor   | <b>0 – 500 ppm</b>  | 2112B3000  |
|                           | Gas sensor                    | ECO-Sure X CO (2e) – 10 year warranty version sensor  | <b>0 – 500 ppm</b>  | 2112B3001  |
|                           | Gas sensor with transmitter   | ECO-Sure (2e) 4-20 mA transmitter including standard version sensor (VDI2053 approved)  | <b>Standard: 0 – 300 ppm</b><br>Optional: 0 – 500 ppm<br>0 – 100 ppm  | 2112B1005  |
|                           | Gas sensor with transmitter   | ECO-Sure X (2e) 4-20 mA transmitter including X version sensor  | <b>Standard: 0 – 300 ppm</b><br>Optional: 0 – 500 ppm<br>0 – 100 ppm  | 2112B1005X |
|                           | Accessories                   | Eco-Sure transmitter installation kit (sensor holder; o-ring; sinter disc; installation ring)   | N/A   | 2112B1002  |
|                           | Gas measuring system          | CO gas measuring system – ECO-Sure (2e) sensor, 4-20mA transmitter (VDI2053 approved) and installation kit in aluminium housing. PG11 cable gland | <b>Standard: 0 – 300 ppm</b><br>Optional: 0 – 500 ppm<br>on request   | 2112B1013  |
|                           | Gas sensor                    | ECO-Sure CO (2e) LXH version sensor (low Hydrogen cross-sensitivity)  | <b>0 – 500 ppm</b>  | 2112B3008  |
|                           | Gas sensor with transmitter   | Eco-Sure (2e) LXH version 4-20 mA transmitter including sensor  | <b>Standard: 0 – 300 ppm</b><br>Optional: 0 – 200 ppm<br>on request   | 2112B1006  |
|                           | Accessories                   | Eco-Sure (2e) LXH version transmitter installation kit  | N/A   | 2112B1002  |
|                           | Gas measuring system          | 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><br>Optional: 0 – 200 ppm<br>on request   | 2112B1014  |
|                           | Gas sensor                    | SureCell CO (M) sensor  | <b>0 – 1000 ppm</b>   | 2112B2003  |
|                           | Gas sensor with transmitter   | SureCell CO (M) 4-20 mA transmitter including sensor  | <b>0 – 1000 ppm</b><br>Optional: 0 – 200 ppm<br>Optional: 0 – 100 ppm | 2112B1020  |
|                           | Gas measuring system          | CO gas measuring system – SureCell CO (M) sensor, 4-20 mA transmitter and installation kit in aluminium housing                                   | <b>0 – 1000 ppm</b><br>Optional: 0 – 200 ppm<br>Optional: 0 – 100 ppm | 2112B1023  |
|                           | Accessories                   | SureCell CO (M) transmitter installation kit  | N/A   | 2112B1022  |
|                           | Gas sensor                    | SureCell CO (H) sensor  | <b>0 – 500 ppm</b>  | 2112B2004  |
|                           | Gas sensor                    | CO S4 sensor  | <b>0 – 2000 ppm</b>   | 2112B3009  |
|                           | Gas sensor                    | CO S4 (L) sensor (light industrial)   | <b>0 – 1000 ppm</b>   | 2112B3002  |
| Gas sensor                | CO S4 (H) sensor (high range) | <b>0 – 10,000 ppm</b>   | 2112B3037   |            |

| Gas                                     | Description                 | Sensor Name  | Measurement Range  | Part No   |
|---|-----------------------------|--|--|---|
| <b>Carbon Monoxide CO</b>               | Gas sensor                  | CO SS sensor   | <b>0 – 1000ppm</b><br><br>Optional: 0 – 4000 ppm (4 series only)   | Raw sensor board:<br>2112B010240<br>Micro sensor:<br>2112B012740<br>4 series sensor:<br>2112B010440 |
|   | Gas sensor with transmitter | CO SS 1-4.8V integrated transmitter including sensor   | <b>0 – 1000 ppm</b><br>Optional: 0 – 2000 ppm or 0 – 4000 ppm  | 2112B013440   |
|   | Accessories                 | CO SS 1-4.8V transmitter installation kit  | N/A  | 2112B1022   |
|   | Transmitter                 | CO SS 0.02-4.8V or digital i <sup>2</sup> C-bus output (on request) pluggable transmitter. Power supply: 2.4-5.0V d.c. <i>Please order compatible SS Micro or 4 series sensor separately</i>                 | <b>0 – 1000 ppm</b><br>Optional: 0 – 100 ppm<br>(for SS Micro+ or 4 series sensor)<br>Optional: 0 – 4000 ppm<br>(for SS 4 series high range sensor only) | 2112B019900   |
|   | Gas sensor                  | CO / H <sub>2</sub> S S4 dual sensor   | <b>0 – 500 ppm CO / 0 – 200 ppm H<sub>2</sub>S</b>   | 2112B0153   |
|   | Gas sensor                  | CO S7 sensor (7series)   | <b>0 – 1000 ppm</b>  | 2112B0052   |
| <b>Chlorine Cl<sub>2</sub></b>          | Gas sensor                  | SureCell Cl <sub>2</sub> sensor  | <b>0 – 20 ppm</b>  | 2112B2035   |
|   | Gas sensor with transmitter | SureCell Cl <sub>2</sub> 4-20 mA transmitter including sensor  | <b>0 – 20 ppm</b><br>Optional: 0 – 10 ppm  | 2112B1035   |
|   | Accessories                 | SureCell Cl <sub>2</sub> transmitter installation kit  | N/A  | 2112B1022   |
|   | Gas measuring system        | 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   |
|   | Gas sensor                  | Cl <sub>2</sub> SS sensor  | <b>0 – 50 ppm</b>  | 2112B2037   |
|   | Gas sensor                  | Cl <sub>2</sub> SS sensor  | <b>0 – 200 ppm</b>   | 2112B2038   |
| <b>Chlorine Dioxide ClO<sub>2</sub></b> | Gas sensor                  | ClO <sub>2</sub> SS sensor   | <b>0 – 1 ppm</b>   | 2112B2081   |
|   | Gas sensor                  | ClO <sub>2</sub> SS sensor   | <b>0 – 50 ppm</b>  | 2112B2085   |
| <b>Ethane</b>                           | Gas sensor with transmitter | Infrared Ethane calibrated sensor in 4 or 7 series standard sizes with integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.              | <b>0 – 100 % LEL</b>   | 2112BM4-V   |
|   | Gas sensor with transmitter | ATEX or IECEx certified infrared Ethane calibrated sensor in 4 series standard size integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request. | <b>0 – 100 % LEL</b>   | 2112BM4A-V  |

| Gas   | Description                 | Sensor Name   | Measurement Range  | Part No                        |
|---|-----------------------------|---|--|--------------------------------|
| Ethanol   | Gas sensor with transmitter | See 'Flammable Gases Pellistors' category below for LEL measurement options   | 0 – 100 % LEL  | -                              |
| Ethylene Oxide<br>ETO                             | Gas sensor                  | ETO SS sensor   | 0 – 10 ppm   | 2112B1212                      |
|   | Gas sensor                  | ETO SS sensor   | 0 – 100 ppm  | 2112B1222                      |
|   | Gas sensor                  | ETO SS sensor   | 0 – 500 ppm  | 2112B1213                      |
|   | Gas sensor                  | ETO S7 sensor (7 series)  | 0 – 50 ppm   | 2112B1217                      |
| Flammable<br>(combustible)<br>Gases<br>Pellistors | Gas sensor                  | CAT16 – pellistor elements  | 0 – 100 % LEL  | 2111B2016                      |
|   | Gas sensor                  | CAT25 – pellistor elements  | 0 – 100 % LEL  | 2111B2125                      |
|   | Gas sensor                  | Zellpell sensor (CAT25 elements built into certified housing)   | 0 – 100 % LEL  | 2118B0106                      |
|   | Gas sensor with transmitter | Zellpell 4-20mA transmitter including sensor and installation kit   | 0 – 100 % LEL<br>Standard calibration: Methane CH <sub>4</sub><br>Optional calibration: Butane C <sub>4</sub> H <sub>10</sub> , Ethanol, Heptane C <sub>7</sub> H <sub>16</sub> , Hydrogen H <sub>2</sub> or Propane C <sub>3</sub> H <sub>8</sub>   | 2112B1000                      |
|   | Accessories                 | Zellpell transmitter installation kit   | N/A  | 2112B1003                      |
|   | Gas measuring system        | Hydrocarbons/flammable gas monitoring system – Zellpell sensor, 4-20mA transmitter and installation kit in aluminium housing  | 0 – 100 % LEL<br>Standard calibration: Methane CH <sub>4</sub><br>Optional calibration: Butane C <sub>4</sub> H <sub>10</sub> , Ethanol, Heptane C <sub>7</sub> H <sub>16</sub> , Hydrogen H <sub>2</sub> or Propane C <sub>3</sub> H <sub>8</sub>   | 2112B1004                      |
| Flammable<br>(combustible)<br>Gases<br>Infrared   | Gas sensor with transmitter | Infrared CH <sub>4</sub> or C <sub>3</sub> H <sub>8</sub> sensor in 4 or 7 series standard sizes integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                   | <b>Standard calibration: 0 – 100 % LEL or 0 – 100% volume</b> Methane CH <sub>4</sub> or Propane C <sub>3</sub> H <sub>8</sub><br><br>Optional calibration: 0-100% LEL Butane C <sub>4</sub> H <sub>10</sub> , 0-100% LEL Ethane, 0-100% LEL Isobutane IC <sub>4</sub> H <sub>10</sub> or 0-100% LEL Propylene C <sub>3</sub> H <sub>6</sub> | 2112BM4-V<br>or<br>2112BP4-V   |
|   | Gas sensor with transmitter | ATEX or IECEx certified infrared CH <sub>4</sub> or C <sub>3</sub> H <sub>8</sub> sensor in 4 series standard size integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request. | <b>Standard calibration: 0 – 100 % LEL or 0 – 100% volume</b> Methane CH <sub>4</sub> or Propane C <sub>3</sub> H <sub>8</sub><br><br>Optional calibration: 0-100% LEL Butane C <sub>4</sub> H <sub>10</sub> , 0-100% LEL Ethane, 0-100% LEL Isobutane IC <sub>4</sub> H <sub>10</sub> or 0-100% LEL Propylene C <sub>3</sub> H <sub>6</sub> | 2112BM4A-V<br>or<br>2112BP4A-V |
| Heptane C <sub>7</sub> H <sub>16</sub>            | Gas sensor with transmitter | See 'Flammable Gases Pellistors' category above for LEL measurement options   | 0 – 100 % LEL  | -                              |



| Gas  | Description                 | Sensor Name  | Measurement Range   | Part No   |
|--|-----------------------------|--|---|---|
| <b>Hydrogen H<sub>2</sub></b><br><br><i>(See also 'Flammable Gases Pellistors' category for H<sub>2</sub> LEL measurement options)</i> | Gas sensor                  | H <sub>2</sub> SS sensor   | <b>0 – 2% Volume</b><br><br>Optional: 0 – 4% Volume on request          | Raw sensor board:<br>2112B010210<br>Micro sensor:<br>2112B012710<br>4 series sensor:<br>2112B010410 |
|  | Gas sensor with transmitter | H <sub>2</sub> SS 1-4.8V integrated transmitter including 4 series sensor  | <b>0 – 2% Volume</b><br>Optional: 0 – 4% Volume                         | 2112B013410   |
|  | Accessories                 | H <sub>2</sub> SS 1-4.8V transmitter installation kit  | N/A   | 2112B1022   |
|  | Transmitter                 | H <sub>2</sub> SS 0.02-4.8V or digital i <sup>2</sup> C-bus output (on request) pluggable transmitter. Power supply: 2.4-5.0V d.c. <i>Please order compatible SS Micro or 4 series sensor separately</i> | <b>0 – 2% Volume</b><br><br>Optional: 0 – 4% Volume on request          | 2112B019900   |
|  | Gas sensor with transmitter | H <sub>2</sub> SS 4-20mA or 1-4V transmitter including raw sensor  | <b>0 - 2% Volume</b><br>Optional: 0 – 1% Vol.; 0 – 3% Vol.; 0 – 4% Vol. | 2112B24421  |
|  | Gas measuring system        | H <sub>2</sub> measuring system – 4-20mA or 1-4V transmitter including raw sensor and aluminium housing  | <b>0 - 2% Volume</b><br>Optional: 0 – 1% Vol.; 0 – 3% Vol.; 0 – 4% Vol. | 2112B24420  |
| <b>Hydrogen Chloride HCl</b>   | Gas sensor                  | HCl SS sensor  | <b>0 – 50 ppm</b>   | 2112B1431   |
| <b>Hydrogen Cyanide HCN</b>  | Gas sensor                  | HCN SS sensor  | <b>0 – 50 ppm</b>   | 2112B0731   |
|  | Gas sensor                  | HCN SS7 sensor (7 series)  | <b>0 – 50 ppm</b>   | 2112B0732   |
| <b>Hydrogen Sulphide H<sub>2</sub>S</b>  | Gas sensor                  | SureCell H <sub>2</sub> S (L) sensor   | <b>0 – 200 ppm</b>  | 2112B2021   |
|  | Gas sensor with transmitter | SureCell H <sub>2</sub> S (L) 4-20 mA transmitter including sensor   | <b>0 – 200 ppm</b><br>Optional: 0 – 100 ppm / 0 – 50 ppm                | 2112B1015   |
|  | Accessories                 | SureCell H <sub>2</sub> S (L) transmitter installation kit   | N/A   | 2112B1022   |
|  | Gas measuring system        | 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><br>Optional: 0 – 100 ppm                             | 2112B1016   |
|  | Gas sensor                  | SureCell H <sub>2</sub> S (M) sensor   | <b>0 – 100 ppm</b>  | 2112B2022   |
|  | Gas sensor                  | SureCell H <sub>2</sub> S (H) sensor   | <b>0 – 100 ppm</b>  | 2112B2023   |
|  | Gas sensor                  | H <sub>2</sub> S S4 sensor   | <b>0 – 100 ppm</b>  | 2112B3007   |
|  | Gas sensor                  | H <sub>2</sub> S S4 (H) sensor with high output  | <b>0 – 100 ppm</b>  | 2112B3010   |

| Gas  | Description                 | Sensor Name   | Measurement Range   | Part No   |
|--|-----------------------------|---|---|---|
| <b>Hydrogen Sulphide H<sub>2</sub>S</b>  | Gas sensor                  | H <sub>2</sub> S SS sensor  | <b>0 – 200 ppm</b><br><br>Optional: 0 – 2000ppm<br>(Micro and 4 series only)  | Raw sensor board:<br>2112B010220<br>Micro sensor:<br>2112B012720<br>4 series sensor:<br>2112B010420 |
|  | Gas sensor with transmitter | H <sub>2</sub> S SS 1-4.8V integrated transmitter including sensor  | <b>0 – 200 ppm</b><br>Optional: 0 – 2000 ppm  | 2112B013420   |
|  | Accessories                 | H <sub>2</sub> S SS 1-4.8V transmitter installation kit   | N/A   | 2112B1022   |
|  | Transmitter                 | H <sub>2</sub> S SS 0.02-4.8V or digital i <sup>2</sup> C-bus output (on request) pluggable transmitter. Power supply: 2.4-5.0V d.c. <i>Please order compatible SS Micro or 4 series sensor separately</i>      | <b>0 – 200 ppm</b><br>(for SS Micro or 4 series sensor)<br>Optional: 0 – 2000 ppm<br>(for SS 4 series high range sensor only) | 2112B019900   |
|  | Gas sensor                  | H <sub>2</sub> S / CO S4 dual sensor  | <b>0 – 200 ppm H<sub>2</sub>S / 0 – 500 ppm CO</b>  | 2112B0153   |
|  | Gas sensor                  | H <sub>2</sub> S S7 (H) sensor (7 series)   | <b>0 – 50 ppm (high output version)</b>   | 2112B0122   |
|  | Gas sensor                  | H <sub>2</sub> S S7 sensor (7 series)   | <b>0 – 200 ppm</b>  | 2112B0155   |
|  | Gas sensor                  | H <sub>2</sub> S SS7 sensor (7 series)  | <b>0 – 50 ppm</b><br><b>0 – 200 ppm</b>   | 2112B0151<br>2112B0152  |
| <b>Isobutane IC<sub>4</sub>H<sub>10</sub></b>  | Gas sensor with transmitter | Infrared Isobutane calibrated sensor in 4 or 7 series standard sizes integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                   | <b>0 – 100 % LEL</b>  | 2112BM4-V   |
|  | Gas sensor with transmitter | ATEX or IECEx certified infrared Isobutane calibrated sensor in 4 series standard size integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request. | <b>0 – 100 % LEL</b>  | 2112BM4A-V  |
| <b>Methane CH<sub>4</sub></b><br><br>(See also 'Flammable Gases Pellistors' category for more options) | Gas sensor with transmitter | Infrared CH <sub>4</sub> sensor in 4 or 7 series standard sizes integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                        | <b>0 – 100 % Volume</b><br><b>or 0 – 100 % LEL</b>  | 2112BM4-V   |
|  | Gas sensor with transmitter | ATEX or IECEx certified infrared CH <sub>4</sub> sensor in 4 series standard size integrated with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.      | <b>0 – 100 % Volume</b><br><b>or 0 – 100 % LEL</b>  | 2112BM4A-V  |

| Gas                                    | Description                 | Sensor Name   | Measurement Range                                       | Part No  |
|--|-----------------------------|---|---|--|
| <b>Nitrogen Dioxide NO<sub>2</sub></b> | Gas sensor                  | NO <sub>2</sub> SS sensor   | <b>0 – 100 ppm</b>                                      | Raw sensor board:<br>2112B010250<br>Micro sensor:<br>2112B012750<br>4 series:<br>2112B010450 |
|  | Gas sensor with transmitter | NO <sub>2</sub> SS 1-4.8V integrated transmitter including sensor   | <b>0 – 100 ppm</b>                                      | 2112B013450  |
|  | Accessories                 | NO <sub>2</sub> SS 1-4.8V transmitter installation kit  | N/A   | 2112B1022  |
|  | Transmitter                 | NO <sub>2</sub> SS 0.02-4.8V or digital i <sup>2</sup> C-bus output (on request) pluggable transmitter. Power supply: 2.4-5.0V d.c. <i>Please order compatible SS Micro or 4 series sensor separately</i> | <b>0 – 100 ppm</b><br>(for SS Micro or 4 series sensor) | 2112B019900  |
|  | Gas sensor                  | NO <sub>2</sub> 2E sensor   | <b>0 – 20 ppm</b>                                       | 2112B9998  |
|  | Gas sensor with transmitter | NO <sub>2</sub> 2E 4-20mA transmitter including sensor and installation kit   | <b>0 – 20 ppm</b>                                       | 2112B9999  |
|  | Accessories                 | NO <sub>2</sub> 2E transmitter installation kit   | N/A   | 2112B1012  |
|  | Gas measuring system        | NO <sub>2</sub> 2E gas measuring system – NO <sub>2</sub> sensor, 4-20mA transmitter and installation kit in aluminium housing  | <b>0 – 20 ppm</b>                                       | 2112B9995  |
|  | Gas sensor                  | NO <sub>2</sub> S4  | <b>0 – 30 ppm</b>                                       | 2112B0325  |
|  | Gas sensor                  | NO <sub>2</sub> SS7 sensor (7series)  | <b>0 – 20 ppm</b>                                       | 2112B0321  |
| <b>Nitric Oxide NO</b>                 | Gas sensor                  | NO SS sensor  | <b>0 – 250 ppm</b>                                      | 2112B0522  |
|  | Gas sensor                  | NO SS sensor  | <b>0 – 2000 ppm</b>                                     | 2112B0523  |

| Gas   | Description                 | Sensor Name  | Measurement Range                                   | Part No                         |
|---|-----------------------------|--|---|---------------------------------|
| Oxygen O <sub>2</sub>   | Gas sensor                  | O <sub>2</sub> SSP sensor  | <b>0 – 30% Volume</b>                               | 4 series sensor:<br>2112B023140 |
|   | Transmitter                 | O <sub>2</sub> SSP 0.02-4.8V or digital i <sup>2</sup> C-bus output (on request) pluggable transmitter. Power supply: 2.4-5.0V d.c. <i>Please order compatible SSP 4 series sensor separately</i>    | <b>0 – 30 % Volume</b><br>(for SSP 4 series sensor) | 2112B019900                     |
|   | Gas sensor                  | O <sub>2</sub> SL sensor   | <b>0 – 25 % Volume</b>                              | 2112B4530                       |
|   | Gas sensor with transmitter | O <sub>2</sub> SL 4-20mA transmitter including sensor and installation kit   | <b>0 – 25 % Volume</b>                              | 2112B4532                       |
|   | Gas measuring system        | 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                       |
|   | Gas sensor                  | O <sub>2</sub> S4 sensor   | <b>0 – 25 % Volume</b>                              | 2112B4578                       |
|   | Gas sensor                  | O <sub>2</sub> S7 sensor (7 series)  | <b>0 – 25 % Volume</b>                              | 2112B4577                       |
| <b>Phosphine PH<sub>3</sub></b>   | Gas sensor                  | PH <sub>3</sub> SS sensor  | <b>0 – 20 ppm</b>                                   | 2112B1121                       |
| <b>Propane C<sub>3</sub>H<sub>8</sub></b><br><br>(See also<br><br><i>'Flammable Gases Pellistors' category for more options</i> ) | Gas sensor with transmitter | Infrared C3H8 sensor in 4 or 7 series standard sizes with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                                   | <b>0 – 100 % Volume</b><br>or <b>0 – 100 % LEL</b>  | 2112BP4-V                       |
|   | Gas sensor with transmitter | ATEX or IECEx certified infrared C3H8 sensor in 4 series standard size with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                 | <b>0 – 100 % Volume</b><br>or <b>0 – 100 % LEL</b>  | 2112BP4A-V                      |
| <b>Propylene C<sub>3</sub>H<sub>6</sub></b>   | Gas sensor with transmitter | Infrared Propylene calibrated sensor in 4 or 7 series standard sizes with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request.                   | <b>0 – 100 % LEL</b>                                | 2112BM4-V                       |
|   | Gas sensor with transmitter | ATEX or IECEx certified infrared Propylene calibrated sensor in 4 series standard size with integrated digital and analogue (0.4-2.0V) transmitter or bridge type dc transmitter. Output on request. | <b>0 – 100 % LEL</b>                                | 2112BM4A-V                      |

| Gas                                   | Description                 | Sensor Name  | Measurement Range   | Part No     |
|---------------------------------------|-----------------------------|--|---|-------------|
| <b>Refrigerants</b>                   | Gas sensor with transmitter | Infrared calibrated sensor in 7 series standard size with integrated digital and analogue (0.4-2.0V) transmitter.                  | <b>0 – 1000ppm or 0 – 2000ppm</b><br>Available calibration options: SF6, R1234, R134a, R125 or R507 | 2112BR4-V   |
| <b>Sulphur Dioxide SO<sub>2</sub></b> | Gas sensor with transmitter | SO <sub>2</sub> SL 4-20mA output transmitter including sensor. Power supply: 24V d.c.  | <b>Standard: 0 – 100 ppm</b><br>Optional: 0 – 50 ppm  | 2112B0073   |
|                                       | Accessories                 | SO <sub>2</sub> SL transmitter installation kit (sensor holder; o-ring; sinter disc; installation ring)                            | <b>N/A</b>  | 2112B0074   |
|                                       | Gas measuring system        | 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><br>Optional: 0 – 50 ppm  | 2112B0075   |
| <b>VOCs</b>                           | Gas sensor with transmitter | C5 semiconductor CO <sub>2</sub> and VOCs sensor with integrated analogue 0.5V and digital i <sup>2</sup> C-bus output transmitter | <b>400 – 2000 ppm</b>   | 2112BC500   |
| <b>Accessories</b>                    | Accessories                 | Test Gas Cap suitable for all 4-20mA and 5V SS transmitters with installation kits   | <b>N/A</b>  | 2112B1010   |
|                                       | Accessories                 | Test Gas Cap suitable for all Micro SS sensors   | <b>N/A</b>  | 2112B013701 |
|                                       | MODBUS                      | MODBUS Card suitable for all 4-20 mA transmitters  | <b>N/A</b>  | 2112B1050   |
|                                       | MODBUS                      | MODBUS Card suitable for all 4-20 mA transmitters in aluminium housing with cabling glands   | <b>N/A</b>  | 2112B1055   |
|                                       | Limit monitor               | Gas detection controller for up to 2 remote 4-20mA transmitters  | <b>N/A</b>  | 2112BGWZ-S2 |
|                                       | Limit monitor               | Gas detection controller for up to 4 remote 4-20mA transmitters  | <b>N/A</b>  | 2112BGWZ-S4 |
|                                       | Limit monitor               | Gas detection controller for up to 6 remote 4-20mA transmitters  | <b>N/A</b>  | 2112BGWZ-S6 |

**If you require assistance or are unable to find a gas sensing product here to meet your needs, please contact us.**

**In addition to our standard listing above, we also offer specialist application, high range and exotic gas sensors and transmitters.**

**Please see our website at: [www.euro-gasman.com](http://www.euro-gasman.com)**  
**Contact us on: Tel: +44 (0)1803 844414 Email: [sales@euro-gasman.com](mailto:sales@euro-gasman.com)**

**We will be pleased to find you the solution!**

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