

| PS-7/PS-8<br>GAS SENSOR                              | FORMULA                                       | RANGE      | ALARM<br>LEVEL 1 | ALARM<br>LEVEL 2 | SENSOR PART NUMBER                           |
|--|---|------------|------------------|------------------|--|
| Acetic Acid  | CH <sub>3</sub> COOH                          | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2K60                                  |
| Acetone  | C <sub>3</sub> H <sub>6</sub> O               | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2W40                                  |
| Acetone  | C <sub>3</sub> H <sub>6</sub> O               | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2W60                                  |
| Acetonitrile   | CH <sub>3</sub> CN                            | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z40-CH <sub>3</sub> CN               |
| Acetylene  | C <sub>2</sub> H <sub>2</sub>                 | 0-100 %LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2F10-C <sub>2</sub> H <sub>2</sub>    |
| Acetylene  | C <sub>2</sub> H <sub>2</sub>                 | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2F40-C <sub>2</sub> H <sub>2</sub>    |
| Acetylene  | C <sub>2</sub> H <sub>2</sub>                 | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2F60-C <sub>2</sub> H <sub>2</sub>    |
| Ammonia  | NH <sub>3</sub>                               | 0-100 ppm  | 10 ppm           | 20 ppm           | CDS-7-7BNH56                                 |
| Arsine   | AsH <sub>3</sub>                              | 0-0.25 ppm | 0.025 ppm        | 0.050 ppm        | CDS-7-07AH76                                 |
| Benzene  | C <sub>6</sub> H <sub>6</sub>                 | 0-200 ppm  | 20 ppm           | 40 ppm           | CHS-7F8Z90                                   |
| Butadiene  | C <sub>4</sub> H <sub>6</sub>                 | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2I40-C <sub>4</sub> H <sub>6</sub>    |
| Butyl Acetate  | C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> | 0-2000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z60BA                                |
| Carbon Monoxide                                      | CO  | 0-250 ppm  | 25 ppm           | 50 ppm           | CDS-07CO60                                   |
| Carbon Monoxide                                      | CO  | 0-100 ppm  | 10 ppm           | 20 ppm           | CDS-7-07CO56                                 |
| Chlorine   | Cl <sub>2</sub>                               | 0-5 ppm    | 0.5 ppm          | 1.0 ppm          | CDS-7-7BCL16                                 |
| Chlorine   | Cl <sub>2</sub>                               | 0-1.5 ppm  | 0.20 ppm         | 0.40 ppm         | CDS-7-7BCLK0                                 |
| Chlorine (Non-Standard-Range)                        | Cl <sub>2</sub>                               | 0-10 ppm   | 1.0 ppm          | 2.0 ppm          | CDS-7BCL20                                   |
| Chlorine Trifluoride                                 | ClF <sub>3</sub>                              | 0-1 ppm    | 0.10 ppm         | 0.20 ppm         | CDS-7-07CF00                                 |
| Chlorobenzene  | C <sub>6</sub> H <sub>5</sub> Cl              | 0-500 ppm  | 200 ppm          | 400 ppm          | CHS-7-F5R50-CB                               |
| Chlorodifluoromethane (R22)                          | CHClF <sub>2</sub>                            | 0-2000 ppm | 400 ppm          | 800 ppm          | CHS-7-F5R60-CHClF <sub>2</sub>               |
| Chloroform   | CHCl <sub>3</sub>                             | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7F5Z60-CHCl <sub>3</sub>                 |
| Diborane   | B <sub>2</sub> H <sub>6</sub>                 | 0-0.5 ppm  | 0.05 ppm         | 0.10 ppm         | CDS-7-7BBH86                                 |
| Dichlorosilane                                       | SiH <sub>2</sub> Cl <sub>2</sub>              | 0-25 ppm   | 2.5 ppm          | 5.0 ppm          | CDS-7-7BDC36                                 |
| Difluoromethane (R32)                                | CH <sub>2</sub> F <sub>2</sub>                | 0-2000 ppm | 200 ppm          | 400p pm          | CHS-7-7J20R60-CH <sub>2</sub> F <sub>2</sub> |
| Dimethylamine  | (CH <sub>3</sub> ) <sub>2</sub> NH            | 0-50 ppm   | 5.0 ppm          | 10 ppm           | CDS-7-7BDA40                                 |
| Dimethylamine  | (CH <sub>3</sub> ) <sub>2</sub> NH            | 0-15 ppm   | 1.5 ppm          | 3.0 ppm          | CDS-7-7BDAQ0                                 |
| Dimethylamine  | (CH <sub>3</sub> ) <sub>2</sub> NH            | 0-25 ppm   | 2.5 ppm          | 5.0 ppm          | CDS-7-7BDAS0                                 |
| 1,4 Dioxane  | C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>  | 0-5000 ppm | 1,000 ppm        | 2,000 ppm        | CHS-7-F2Z40Di                                |
| 1,4 Dioxane  | C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>  | 0-2000 ppm | 400 ppm          | 800 ppm          | CHS-7-F2Z60Di                                |
| Disilane   | Si <sub>2</sub> H <sub>6</sub>                | 0-25 ppm   | 2.5 ppm          | 5.0 ppm          | CDS-07DS30                                   |
| Disilane   | Si <sub>2</sub> H <sub>6</sub>                | 0-5 ppm    | 0.5 ppm          | 1.0 ppm          | CDS-07DS10                                   |
| Ethane (less interference to others)                 | C <sub>2</sub> H <sub>6</sub>                 | 0-5000 ppm | 50 ppm           | 100 ppm          | CHS-7-F2Z40                                  |
| Ethane<br>(less interference to H <sub>2</sub> /IPA) | C <sub>2</sub> H <sub>6</sub>                 | 0-5000 ppm | 50 ppm           | 100 ppm          | CHS-7-F1Z40                                  |
| Ethanol  | C <sub>2</sub> H <sub>6</sub> O               | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F22N40                                 |
| Ethanol<br>(w/Toluene correlation curve)             | C <sub>2</sub> H <sub>6</sub> O               | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2N40T                                 |
| Ethanol  | C <sub>2</sub> H <sub>6</sub> O               | 0-100% LEL | 10 %LEL          | 20 %LEL          | CHS-7C2N10-C <sub>2</sub> H <sub>6</sub> O   |
| Ethanol  | C <sub>2</sub> H <sub>6</sub> O               | 0-500 ppm  | 50 ppm           | 100 ppm          | CHS-7-F9N50-C <sub>2</sub> H <sub>6</sub> O  |
| Ethanol  | C <sub>2</sub> H <sub>6</sub> O               | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2N60-C <sub>2</sub> H <sub>6</sub> O  |
| Ethylene   | C <sub>2</sub> H <sub>4</sub>                 | 0-100 %LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2Z10-C <sub>2</sub> H <sub>4</sub>    |

| PS-7/PS-8 GAS SENSOR                  | FORMULA     | RANGE      | ALARM LEVEL 1 | ALARM LEVEL 2 | SENSOR PART NUMBER |
|---------------------------------------|-------------|------------|---------------|---------------|--------------------|
| Ethylene                              | C2H4        | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-F2Z60-C2H4   |
| Ethylene Oxide (EO)                   | CH2CH2O     | 0-5000 ppm | 500 ppm       | 1000 ppm      | CHS-7-F2Z40EO      |
| Ethylene Oxide (EO)                   | CH2CH2O     | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-F2Z60EO      |
| Fluorine                              | F2          | 0-5 ppm    | 0.5 ppm       | 1.0 ppm       | CDS-7-07F216       |
| Fluorine                              | F2          | 0-3ppm     | 0.3 ppm       | 0.6 ppm       | CDS-7-07F2MO       |
| Formaldehyde                          | CH2O        | 0-200ppm   | 50 ppm        | 100ppm        | CHS-7-F9Z90-CH2O   |
| Gasoline                              | C8H21       | 5000 ppm   | 500 ppm       | 1000 ppm      | CHS-7-F2Z40GL      |
| Gasoline                              | C8H18       | 0-100 %LEL | 10% LEL       | 20%LEL        | CHS-7-C2Z10        |
| Gasoline                              | C8H19       | 1000 ppm   | 100 ppm       | 200 ppm       | CHS-7-F2Z70GL      |
| Gasoline                              | C8H20       | 2000 ppm   | 200 ppm       | 400 ppm       | CHS-7-F2Z60GL      |
| Germane                               | GeH4        | 0-1 ppm    | 0.10 ppm      | 0.20 ppm      | CDS-7-07GH06       |
| Hexafluorobutadiene                   | C4F6        | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-7J20Z60-C4F6 |
| n-Hexane                              | C6H14       | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-F2Z60-C6H14  |
| n-Hexane                              | C6H14       | 0-200 ppm  | 20 ppm        | 40 ppm        | CHS-7-F8Z90        |
| Hexane                                | C6H14       | 0-100% LEL | 10%LEL        | 20%LEL        | CHS-7-C2Z10H-C6H14 |
| Hydrogen                              | H2          | 0-10k ppm  | 1000 ppm      | 2000 ppm      | CHS-7-F2EG0        |
| Hydrogen (H2 specific)                | H2          | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7F3E60         |
| Hydrogen (H2 specific)                | H2          | 0-1000 ppm | 100 ppm       | 200 ppm       | CHS-7F3E70         |
| Hydrogen (will not detect CH4)        | H2          | 0-100 %LEL | 10 %LEL       | 20 %LEL       | CHS-7-C2E10-H2     |
| Hydrogen Bromide                      | HBr         | 0-10 ppm   | 1.0 ppm       | 2.0 ppm       | CDS-7-7BHB26       |
| Hydrogen Chloride                     | HCL         | 0-25 ppm   | 2.5 ppm       | 5.0 ppm       | CDS-7-7BHC36       |
| Hydrogen Chloride                     | HCL         | 0-10 ppm   |               |               | CDS-7-7BHC26       |
| Hydrogen Chloride                     | HCL         | 0-5 ppm    | 0.5 ppm       | 1.0 ppm       | CDS-7-7BHC16       |
| Hydrogen Fluoride                     | HF          | 0-10 ppm   | 1 ppm         | 2 ppm         | CDS-7-7CHF26       |
| Hydrogen Fluoride                     | HF          | 0-2.5ppm   | 0.25 ppm      | 0.50 ppm      | CDS-7-7CHFD6       |
| Hydrogen Selenide                     | H2Se        | 0-250 ppb  | 0.025 ppm     | 0.050 ppm     | CDS-7-7BSE76       |
| Hydrogen Sulfide                      | H2S         | 0-50 ppm   | 5.0 ppm       | 10.0 ppm      | CDS-07HS40         |
| Hydrogen Sulfide                      | H2S         | 0-10 ppm   | 1 ppm         | 2.0 ppm       | CDS-7-07HS20       |
| Hydrogen Sulfide (Non-Standard Range) | H2S         | 0-5 ppm    | 0.5 ppm       | 1.0 ppm       | CDS-7-07HS10       |
| Iso-butane                            | i-C4H10     | 0-5000 ppm | 500 ppm       | 1000 ppm      | CHS-7-F2L40        |
| Iso-butane                            | i-C4H10     | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-F2L60        |
| Isobutylene                           | CH2=C(CH3)2 | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7-F2Z60IB      |
| Isopropyl alcohol (IPA)               | C3H8O       | 0-100 %LEL | 20 %LEL       | 40 %LEL       | CHS-7-C2S10-IPA    |
| Isopropyl alcohol (IPA)               | C3H8O       | 0-5000 ppm | 500 ppm       | 1000 ppm      | CHS-7-J20S40-IPA   |
| Isopropyl alcohol (IPA)               | C3H8O       | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7F2S60         |
| LPG (Iso-butane basis)                | i-C4H10     | 0-100 %LEL | 10% LEL       | 20% LEL       | CHS-7-C2A10        |
| LPG (Iso-butane basis)                | i-C4H10     | 2000 ppm   | 200 ppm       | 400 ppm       | CHS-7-F2A60        |
| Methane General Combustible           | CH4         | 0-100 %LEL | 10 %LEL       | 20 %LEL       | CHS-7-C1C10-CH4    |
| Methane General Combustible           | CH4         | 0-5000 ppm | 500 ppm       | 1000 ppm      | CHS-7F2C40         |
| Methane General Combustible           | CH4         | 0-2000 ppm | 200 ppm       | 400 ppm       | CHS-7F2C60         |

| PS-7/PS-8<br>GAS SENSOR  | FORMULA       | RANGE      | ALARM<br>LEVEL 1 | ALARM<br>LEVEL 2 | SENSOR PART NUMBER  |
|--|---------------|------------|------------------|------------------|---------------------|
| Methane Selective<br>(will not detect H2)  | CH4           | 0-10k ppm  | 50 ppm           | 100 ppm          | CHS-7F1CG0          |
| Methane Selective<br>(will not detect H2)  | CH4           | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7F1C70          |
| Methanol   | CH3OH         | 0-100 %LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2M10-CH3OH   |
| Methanol   | CH3OH         | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2M40         |
| Methanol   | CH3OH         | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-7J20M60-CH3OH |
| Methyl Bromide   | CH3Br         | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F5Z60-CH3BR   |
| Methyl Chloride  | CH3CL         | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7-F5Z70-CH3CL   |
| Methyl Ethyl Ketone (MEK)  | CH3C(O)CH2CH3 | 0-100 %LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2Q10-MEK     |
| Methyl Ethyl Ketone (MEK)  | CH3C(O)CH2CH3 | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-J20Q60-MEK    |
| Methyl Ethyl Ketone (MEK)  | CH3C(O)CH2CH3 | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7-J20Q70-MEK    |
| Methyl Fluoride (R41)  | CH3F          | 0-3000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F5R90-CH3F    |
| Methyl Fluoride (R41)  | CH3F          | 0-2000ppm  | 200 ppm          | 400 ppm          | CHS-7-7J20R60-CH3F  |
| Methyl Pyrolidinoner NMP   | C5H9NO        | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60-NMP     |
| Methylene Chloride   | CH2Cl2        | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7F5Z60-CH2Cl2   |
| Methylene Chloride   | CH2Cl2        | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7-F5Z70-CH2Cl2  |
| Nitric Oxide   | NO            | 0-100 ppm  | 10 ppm           | 20 ppm           | CDS-07NO50          |
| Nitric Oxide   | NO            | 0-10 ppm   | 1 ppm            | 2 ppm            | CDS-07NO20          |
| Nitrogen Dioxide   | NO2           | 0-10 ppm   | 1 ppm            | 2 ppm            | CDS-7BND20          |
| Nitrogen Trifluoride (aluminum sensor);<br>For use with PS-7-07 units ONLY           | NF3           | 0-30 ppm   | 3 ppm            | 6 ppm            | CDS-7-7DNFR6        |
| Nitrogen Trifluoride (aluminum sensor);<br>For use with PS-7-07 & PS-8 units<br>ONLY | NF3           | 0-100 ppm  | 10 ppm           | 20 ppm           | CDS-7-7DNF56        |
| Nitrogen Trifluoride (Non-Standard<br>Range); Use with PS-7-07 & PS-8 units<br>ONLY  | NF3           | 0-250 ppm  | 25 ppm           | 50 ppm           | CDS-7-7DNF69        |
| Nitrogen Trifluoride (aluminum sensor);<br>Use with old PS-7-03 units ONLY           | NF3           | 0-30 ppm   | 3 ppm            | 6 ppm            | CDS-7-7BNFR6        |
| Nitrogen Trifluoride (aluminum sensor);<br>Use with old PS-7-03 units ONLY           | NF3           | 0-100 ppm  | 10 ppm           | 20 ppm           | CDS-7-7BNF56        |
| Nitrogen Trifluoride (Non-Standard-<br>Range); Use with old PS-7-03 units<br>ONLY    | NF3           | 0-250 ppm  | 25 ppm           | 50 ppm           | CDS-7-7BNF69        |
| Octane   | C8H18         | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60OC-C8H18 |
| Octane   | C8H18         | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7-F2Z70OC       |
| Oxygen   | O2            | 0-25% vol  | 19 %vol          | 18 %vol          | COS-7-07OXA6        |
| Ozone  | O3            | 0-1ppm     | 0.10 ppm         | 0.20 ppm         | CDS-7-7BOZ06        |
| Pentane  | C5H12         | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z40P        |
| Pentane  | C5H12         | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60P        |
| Phosphine  | PH3           | 0-1 ppm    | 0.10 ppm         | 0.20 ppm         | CDS-7-7BPH06        |

| PS-7/PS-8<br>GAS SENSOR                              | FORMULA  | RANGE      | ALARM<br>LEVEL 1 | ALARM<br>LEVEL 2 | SENSOR PART NUMBER |
|--|----------|------------|------------------|------------------|--------------------|
| Phosphorous Trifluoride                              | PF3      | 0-10 ppm   | 1.0 ppm          | 2.0 ppm          | CDS-07PF20         |
| Propane LPG (will not detect CH4)                    | C3H8     | 0-100 %LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2A10-LPG    |
| Propylene  | C3H6     | 0-100 %LEL | 10 %LEL          | 20% LEL          | CHS-7-C2Z10-C3H6   |
| Propylene  | C3H6     | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60-C3H6   |
| Propyl acetate                                       | C5H10O2  | 0-100 %LEL | 20 % LEL         | 40 %LEL          | CHS-C2Z10-PA       |
| Propyl acetate                                       | C5H10O2  | 0-2000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z60-PA     |
| Propylene glycol monomethyl ether<br>(PGME)          | C4H10O2  | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z40PGME    |
| Propylene glycol monomethyl ether<br>acetate (PGMEA) | C4H14O3  | 0-5000 ppm | 500 ppm          | 1000 ppm         | CHS-7-F2Z40PGMEA   |
| Propylene Oxide                                      | PGMEA    | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60PO      |
| Silane   | SiH4     | 0-25 ppm   | 2.5 ppm          | 5.0 ppm          | CDS-7-7BSH36       |
| Silane   | SiH4     | 0-5 ppm    | 0.5 ppm          | 1.0 ppm          | CDS-7-07SH16       |
| Styrene  | C8H8     | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2Z60S       |
| Sulfur Dioxide                                       | SO2      | 0-25 ppm   | 2.5 ppm          | 5.0 ppm          | CDS-7-07SD30       |
| Sulfur Dioxide                                       | SO2      | 0-10 ppm   | 1.0 ppm          | 2.0 ppm          | CDS-7-07SD26       |
| Toulene  | C7H8     | 0-2000ppm  | 200ppm           | 400ppm           | CHS-7-F2T60-C7H8   |
| Trans LC   | TLC      | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7F5Z60-TLC     |
| Trans LC   | TLC      | 0-1000 ppm | 100 ppm          | 200 ppm          | CHS-7-F5Z70-TLC    |
| Trifluoromethane (R23)                               | CHF3     | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7F5CHF3        |
| Vinyl Chloride                                       | H2CCHCl  | 0-500 ppm  | 50 ppm           | 100 ppm          | CHS-7F5Z50-VC      |
| Xylene   | C6H4C2H6 | 0-100% LEL | 10 %LEL          | 20 %LEL          | CHS-7-C2V10        |
| Xylene   | C6H4C2H6 | 0-2000 ppm | 200 ppm          | 400 ppm          | CHS-7-F2V60        |