

S5000 GAS MONITOR

S5000 - 1 2 3 4 5 6 7 8

GAS MONITOR

General Monitors S5000 Gas Monitor

1. MATERIAL:

- 2- (Std) STAINLESS STEEL - IIB+H2/B,C,D
3- STAINLESS STEEL - IIC/A (for acetylene applications)*

2. OUTPUTS:

- 0- (Std) ANALOG OUT/BLUETOOTH/MODBUS/HART 1.25.....
1- ANALOG OUT/BLUETOOTH/MODBUS/HART 3.5*.....
2- ANALOG OUT/BLUETOOTH/MODBUS/HART 1.25/RELAYS.....
3- ANALOG OUT/BLUETOOTH/MODBUS/HART 3.5/RELAYS*.....
4- ANALOG OUT/NO BLUETOOTH/MODBUS/HART 1.25.....
5- ANALOG OUT/NO BLUETOOTH/MODBUS/HART 3.5*.....
6- ANALOG OUT/NO BLUETOOTH/MODBUS/HART 1.25/RELAYS.....
7- ANALOG OUT/NO BLUETOOTH/MODBUS/HART 3.5/RELAYS*.....

3. RELAY STATE:

- 0- (Std) NO RELAYS.....
1- LATCH ALARM/NON-LATCH WARN DE-ENERGIZED
2- LATCH ALARM/NON-LATCH WARN ENERGIZED
3- LATCH ALARM/LATCH WARN DE-ENERGIZED
4- LATCH ALARM/LATCH WARN ENERGIZED
5- NON-LATCH ALARM/NON-LATCH WARN DE-ENERGIZED
6- NON-LATCH ALARM/NON-LATCH WARN ENERGIZED
7- NON-LATCH ALARM/LATCH WARN DE-ENERGIZED.....
8- NON-LATCH ALARM/LATCH WARN ENERGIZED

4. APPROVALS:

- 0- (Std) CSA.....
1- ATEX/IECx/Marine.....
4- Inmetro.....

5. CUSTOM**:

- 00- (Std) NONE.....
01- STAINLESS STEEL TAG
02- HART off
03- STAINLESS STEEL TAG, HART off
04- Bluetooth disabled
05- STAINLESS STEEL TAG, Bluetooth disabled

6. SENSOR #1:

- Dxx- Digital Sensor (see gas code list) See List
Mxx- Passive MOS (see MOS list) See List
Rxx- IR400 (see IR list) See List
Cxx- Passive Catalytic Bead (see CB list) See List

7. SENSOR #2:

- 000- No Sensor - only if sensor #1 = Mxx or Cxx.....
D00- No Sensor - only if sensor #1 = Dxx or Rxx (for future upgrade)
Dxx- Digital Sensor - only if sensor #1 = Dxx or Rxx (see gas code list) See List

8. PAINT:

- 0- (Std) NONE
1- GRAY.....
2- BLUE.....
3- YELLOW.....
4- WHITE.....

* Note: not available w/IR400 point IR detector

** HART and Bluetooth can be enabled by customer

SENSOR OPTIONS AVAILABLE ON NEXT PAGE

S5000 GAS MONITOR SENSOR OPTIONS

| | Type |
|---|------------------|
| D00 - No sensor or sensor body (transmitter only) | |
| D01 - No sensor (comes w/sensor body and blank) | Div. 1 |

XCELL TRUCAL SENSORS W/DIFFUSION SUPERVISION

| | |
|---|-----------------|
| D27 - Hydrogen sulfide, DS, 0-10 ppm | XCell |
| D28 - Hydrogen sulfide, DS, 0-50 ppm | XCell |
| D29 - Hydrogen sulfide, DS, 0-100 ppm | XCell |
| D42 - Hydrogen sulfide, DS, 0-20 ppm, MOS defaults | XCell |
| D43 - Hydrogen sulfide, DS, 0-50 ppm, MOS defaults | XCell |
| D44 - Hydrogen sulfide, DS, 0-100 ppm, MOS defaults | XCell |

| | |
|---|-----------------|
| D36 - Carbon monoxide, DS, 0-100 ppm | XCell |
| D37 - Carbon monoxide, DS, 0-500 ppm | XCell |
| D38 - Carbon monoxide, DS, 0-1000 ppm | XCell |
| D39 - Carbon monoxide, hydrogen resistant, DS, 0-100ppm | XCell |

XCELL TRUCAL SENSORS W/OUT DIFFUSION SUPERVISION

| | |
|---|-----------------|
| D20 - Hydrogen sulfide, 0-10 ppm | XCell |
| D21 - Hydrogen sulfide, 0-50 ppm | XCell |
| D22 - Hydrogen sulfide, 0-100 ppm | XCell |
| D24 - Hydrogen sulfide, 0-20 ppm, MOS defaults | XCell |
| D25 - Hydrogen sulfide, 0-50 ppm, MOS defaults | XCell |
| D26 - Hydrogen sulfide, 0-100 ppm, MOS defaults | XCell |

| | |
|--|-----------------|
| D10 - Carbon monoxide, 0-100 ppm | XCell |
| D11 - Carbon monoxide, 0-500 ppm | XCell |
| D12 - Carbon monoxide, 0-1000 ppm | XCell |
| D14 - Carbon monoxide, hydrogen resistant, 0-100 ppm | XCell |

DIGITAL GAS SENSORS

| | |
|---|-----------------|
| D16 - Oxygen 0-25% | XCell |
| D23 - Hydrogen sulfide, 0-500 ppm | Echem |
| D30 - Chlorine, 0-5 ppm | XCell |
| D31 - Chlorine, 0-10 ppm | XCell |
| D32 - Chlorine, 0-20 ppm | XCell |
| D50 - Sulfur dioxide, 0-25 ppm | XCell |
| D70 - Hydrogen, 0-1000 ppm | Echem |
| D73 - Nitrogen dioxide, 0-10 ppm | Echem |

| | |
|--|-----------------|
| D60 - Combustible, 0-100% LEL - Methane (5.0%) | XCell |
| D61 - Combustible, 0-100% LEL - Propane (2.1%) | XCell |
| D62 - Combustible, 0-100% LEL - Heptane (1.05%) | XCell |
| D63 - Combustible, 0-100% LEL - Nonane (0.8%) | XCell |
| D64 - Combustible, 0-100% LEL - Hydrogen (4.0%) | XCell |
| D65 - Combustible, 0-100% LEL - Methane (4.4%) | XCell |
| D66 - Combustible, 0-100% LEL - Propane (1.7%) | XCell |
| D67 - Combustible, 0-100% LEL - Heptane (ATEX 0.85%) | XCell |
| D68 - Combustible, 0-100% LEL - Nonane (ATEX 0.7%) | XCell |

INFRARED SENSORS (IR400)

| | |
|---|--|
| R00 - use for replacement transmitter w/IR400 | |
| R31 - Stainless steel, Methane, IR400-0-01-2-2-0-1-0 | |
| R32 - Stainless steel, Propane, IR400-0-02-2-2-0-1-0 | |
| R34 - Stainless steel, Hexane, IR400-0-04-2-2-0-1-0 | |
| R35 - Stainless steel, Pentane, IR400-0-05-2-2-0-1-0 | |
| R36 - Stainless steel, Ethylene, IR400-0-06-2-2-0-1-0 | |
| R37 - Stainless steel, Butane, IR400-0-07-2-2-0-1-0 | |
| R38 - Stainless steel, Ethane, IR400-0-08-2-2-0-1-0 | |
| R43 - Stainless steel, Methane, IECEx, IR400-0-13-2-2-0-1-0 | |
| R44 - Stainless steel, Propane, IECEx, IR400-0-14-2-2-0-1-0 | |
| R45 - Stainless steel, Hexane, IECEx, IR400-0-15-2-2-0-1-0 | |
| R46 - Stainless steel, Pentane, IECEx, IR400-0-16-2-2-0-1-0 | |
| R47 - Stainless steel, Butane, IECEx, IR400-0-17-2-2-0-1-0 | |
| R48 - Stainless steel, Ethane, IECEx, IR400-0-18-2-2-0-1-0 | |
| R50 - Stainless steel, Ethylene, IECEx, IR400-0-22-2-2-0-1-0 | |
| R51 - Stainless steel, Carbon Dioxide, 0-2000 ppm, IR700-4-1-2-2-1 | |
| R52 - Stainless steel, Carbon Dioxide, 0-5000 ppm, IR700-4-2-2-2-1 | |
| R53 - Stainless steel, Carbon Dioxide, 0-10000 ppm, IR700-4-3-2-2-1 | |
| R54 - Stainless steel, Carbon Dioxide, 0-30000 ppm, IR700-4-4-2-2-1 | |
| R55 - Stainless steel, Carbon Dioxide, 0-50000 ppm, IR700-4-5-2-2-1 | |

PASSIVE CATALYTIC BEAD (CB) SENSORS

| | |
|--|--|
| C00 - Use for replacement transmitter w/passive cat bead | |
| C04 - 10058-1, Stainless steel | |
| C10 - 11159-8, Stainless steel, 0-20% LEL, ATEX | |
| C11 - 11159-1, Stainless steel, 0-100% LEL, ATEX | |

PASSIVE MOS SENSORS

| | |
|---|--|
| M00 - Use for replacement transmitter w/MOS | |
| M04 - 50448-1, Stainless steel, 0-100 ppm H2S | |
| M05 - 50448-5, Stainless steel, 0-50 ppm H2S | |
| M06 - 50448-9, Stainless steel, 0-20 ppm H2S | |
| M14 - 51457-1, Stainless steel, 0-100 ppm H2S, ATEX | |
| M15 - 51457-5, Stainless steel, 0-50 ppm H2S, ATEX | |
| M16 - 51457-9, Stainless steel, 0-20 ppm H2S, ATEX | |

Notes:

R43-R50 sensors require that the ATEX option be selected under Approvals.
D24-D26 sensors use same ranges and H2S cal gas as passive MOS sensors.



S5000 REPLACEMENT SENSORS

A-5K-SENS - ¹ ² ³ ⁴ ⁵ ⁰

REPLACEMENT SENSORS - XCell DIGITAL

1. GAS CODE:

- 01 - No sensor (use for sensor body only, includes blank)
- XCELL TRUCAL W/DIFFUSION SUPERVISION:**
- 27 - Hydrogen sulfide DS 0-10 ppm
- 28 - Hydrogen sulfide DS 0-50 ppm
- 29 - Hydrogen sulfide DS 0-100 ppm.....
- 42 - Hydrogen sulfide DS 0-20 ppm (MOS default)
- 43 - Hydrogen sulfide DS 0-50 ppm (MOS default)
- 44 - Hydrogen sulfide DS 0-100 ppm (MOS default).....
- 36 - Carbon monoxide DS 0-100 ppm
- 37 - Carbon monoxide DS 0-500 ppm
- 38 - Carbon monoxide DS 0-1000 ppm
- 39 - Carbon monoxide, hydrogen resistant, DS 0-100 ppm.....
- XCELL TRUCAL W/OUT DIFFUSION SUPERVISION:**
- 20 - Hydrogen sulfide, 0-10 ppm
- 21 - Hydrogen sulfide, 0-50 ppm
- 22 - Hydrogen sulfide, 0-100 ppm
- 24 - Hydrogen sulfide, 0-20 ppm, MOS defaults
- 25 - Hydrogen sulfide, 0-50 ppm, MOS defaults
- 26 - Hydrogen sulfide, 0-100 ppm, MOS defaults.....
- 10 - Carbon monoxide, 0-100 ppm
- 11 - Carbon monoxide, 0-500 ppm
- 12 - Carbon monoxide, 0-1000 ppm
- 14 - Carbon monoxide, hydrogen resistant, 0-100 ppm
- DIGITAL SENSORS:**
- 16 - Oxygen 0-25%
- 23 - Hydrogen sulfide, 0-500 ppm
- 30 - Chlorine, 0-5 ppm
- 31 - Chlorine, 0-10 ppm.....
- 32 - Chlorine, 0-20 ppm.....
- 50 - Sulfur dioxide, 0-25 ppm.....
- 70 - Hydrogen, 0-1000 ppm
- 73 - Nitrogen dioxide, 0-10 ppm
- 60 - Combustible, 0-100% LEL - Methane (5.0%).....
- 61 - Combustible, 0-100% LEL - Propane (2.1%).....
- 62 - Combustible, 0-100% LEL - Heptane (1.05%).....
- 63 - Combustible, 0-100% LEL - Nonane (0.8%).....
- 64 - Combustible, 0-100% LEL - Hydrogen (4.0%).....
- 65 - Combustible, 0-100% LEL - Methane (4.4% ATEX)
- 66 - Combustible, 0-100% LEL - Propane (1.7% ATEX)
- 67 - Combustible, 0-100% LEL - Heptane (0.85% ATEX).....
- 68 - Combustible, 0-100% LEL - Nonane (0.7% ATEX)

2. MATERIAL:

- 0- STAINLESS STEEL

3. APPROVALS:

- F- CSA
- A- ATEX/IECEX/Marine
- B- Inmetro.....

4. SENSOR BODY:

- 0- None.....
- 1- 3/4" NPT.....

5. FUTURE USE:

- 0- NONE.....