

ULTIMA® X5000 Gas Monitor

A-X5000

1	2	3	4	5	6	7	8	

1 Material

- 0 = Stainless Steel - 3/4" NPT (std)
- 2 = Stainless Steel - M25

2 Approvals

- F = CSA
- A = ATEX/IECEX
- B = Inmetro
- M = FM
- D = Marine (MED)
- E = Marine (TA)

Notes:

Option M: FM only available with the following gas codes: 00, 01, 10, 11, 12, 14, 15, 20-29, 36-39, 42-44, 60, 61, 65, 66, 77-79, 83-85, AA, AB, AC, AD
 Option D: Only available with gas codes 00, 01, 60, 61, 62, 63, 64, 65, 66, 67, 68, AA, AB, AC, AD, BY, CF, CP, DJ, FJ, FM, FP. Also includes ATEX/IECEX approval
 Option E: Only available with gas codes 00, 01, 10-12, 14, 15, 20-29, 36-39, 42-44, 60-68, 77-79, 83-85, AA, AB, AC, AD, BY, CF, CJ, CP, DJ, FJ, FM, FP.

3 Bluetooth

- 0 = Yes (std)
- 1 = No

4 Outputs

- 0 = Analog/HART (std)
- 1 = Analog/HART/Relays

5 For Future Use

- 0 = None

6 Sensor #1

See Gas Code List

7 Sensor #2

See Gas Code List

8 Custom Features

- 0 = None (std)
- T1 = One SST affixed Tag
- T2 = Two SST affixed Tags
- T3 = Three SST affixed Tags

Notes: One line of text, 14 characters max for tags.

Power supply assembly directly connected to X5000 use A07 via Custom Products
 Specify XIR Plus, Single XCell, or Double XCell for Power Supply (contact Custom Products Group for drawings)

Gas Code List

00 = No sensor or sensor body (Xmtr only)
 01 = No sensor (comes with Xmtr & sensor body) Div 1
 02 = No sensor (comes with Xmtr & sensor body) Div 2
 15 = Oxygen 0-25% (FM only)
 16 = Oxygen 0-25%
 17 = Low Oxygen, 0-25%, 1% and 2% alarms
 23 = Hydrogen sulfide, 0-500 ppm
 30* = Chlorine, 0-5 ppm
 31* = Chlorine, 0-10 ppm
 32* = Chlorine, 0-20 ppm
 40* = Ammonia, 0-100 ppm
 41* = Ammonia, 0-1000 ppm
 50* = Sulfur Dioxide 0-25 ppm
 51* = Sulfur Dioxide 0-100 ppm
 70 = Hydrogen, 0-1000 ppm
 72 = Nitric Oxide, 0-100 ppm
 73* = Nitrogen dioxide, 0-10 ppm
 74* = Hydrogen Chloride, 0-50 ppm
 75 = Hydrogen Cyanide 0-50 ppm
 60 = Combustible gas 0-100% LEL - Methane (5.0%)
 61 = Combustible gas 0-100% LEL - Propane (2.1%)
 62 = Combustible gas 0-100% LEL - Heptane (1.05%)
 63 = Combustible gas 0-100% LEL - Nonane (0.8%)
 64 = Combustible gas 0-100% LEL - Hydrogen (4.0%)
 65 = Combustible gas 0-100% LEL - Methane (4.4% ATEX)
 66 = Combustible gas 0-100% LEL - Propane (1.7% ATEX)
 67 = Combustible gas 0-100% LEL - Heptane (0.85% ATEX)
 68 = Combustible gas 0-100% LEL - Nonane (0.7% ATEX)

TRUCAL SENSORS W/DIFFUSION SUPERVISION

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
 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)

TRUCAL SENSORS W/OUT DIFFUSION SUPERVISION

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
 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 default)
 25 = Hydrogen Sulfide 0-50 ppm (MOS default)
 26 = Hydrogen Sulfide 0-100 ppm (MOS default)
 77 = H₂S Alcohol Tolerant, 0-20 ppm (MOS default)
 78 = H₂S Alcohol Tolerant, 0-50 ppm (MOS default)
 79 = H₂S Alcohol Tolerant, 0-100 ppm (MOS default)
 83 = Hydrogen Sulfide Alcohol Tolerant, 0-10 ppm
 84 = Hydrogen Sulfide Alcohol Tolerant, 0-50 ppm
 85 = Hydrogen Sulfide Alcohol Tolerant, 0-100 ppm

ULTIMA XIR PLUS DETECTORS

AA = IR combustible 0-100% LEL- Methane (5.0%)
 AB = IR combustible 0-100% LEL - Propane (2.1%)
 AC = IR combustible 0-100% LEL- Methane (4.4% ATEX)
 AD = IR combustible 0-100% LEL - Propane (1.7% ATEX)
 AF = IR carbon dioxide (CO₂) - 0-2% volume
 AG = IR carbon dioxide (CO₂) - 0-5% volume
 BY = IR combustible 0-100% LEL- Ethanol
 CF = IR combustible 0-100% LEL- Ethylene Oxide
 CG = IR combustible 0-100% LEL- Gasoline (Hexane)
 CJ = IR combustible 0-100% LEL- Hexane
 CP = IR combustible 0-100% LEL- Isopropanol
 DJ = IR combustible 0-100% LEL- Methyl Methacrylate
 FJ = IR combustible 0-100% LEL- Ethanol (ATEX)
 FM = IR combustible 0-100% LEL- Ethylene Oxide (ATEX)
 FN = IR combustible 0-100% LEL- Gasoline (Hexane - ATEX)
 FP = IR combustible 0-100% LEL- Hexane (ATEX)

Notes:

Sensors 24-26, 42-44 use the same cal gas as MOS sensors.
 Gas codes 30, 31, 32, 40, 41, 50, 51, 73 and 74 are Div 2/Zone 2.