

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

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ULTIMA® X5000 Gas Monitor

A-X5000								
	1	2	3	4	5	6	7	8

1 Material

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

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, CJ, 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)	Xcell
16 = Oxygen 0-25%	Xcell
17 = Low Oxygen, 0-25%, 1% and 2% alarms	Echem
23 = Hydrogen sulfide, 0-500 ppm	Echem
30* = Chlorine, 0-5 ppm	Xcell
31* = Chlorine, 0-10 ppm	Xcell
32* = Chlorine, 0-20 ppm	Xcell
35* = Chlorine Dioxide, 0-3 ppm	Xcell
40* = Ammonia, 0-100 ppm	Xcell
41* = Ammonia, 0-1000 ppm	Echem
50* = Sulfur Dioxide 0-25 ppm	XCell
51* = Sulfur Dioxide 0-100 ppm	Echem
70 = Hydrogen, 0-1000 ppm	Echem
71* = Ethylene Oxide, 0-10 ppm	Echem
72 = Nitric Oxide, 0-100 ppm	Echem
73* = Nitrogen dioxide, 0-10 ppm	Echem
74* = Hydrogen Chloride, 0-50 ppm	Echem
75 = Hydrogen Cyanide 0-50 ppm	Echem
76* = Hydrogen Fluoride 0-10 ppm	Echem
60 = Combustible gas 0-100% LEL - Methane (5.0%)	XCell
61 = Combustible gas 0-100% LEL - Propane (2.1%)	XCell
62 = Combustible gas 0-100% LEL - Heptane (1.05%)	XCell
63 = Combustible gas 0-100% LEL - Nonane (0.8%)	XCell
64 = Combustible gas 0-100% LEL - Hydrogen (4.0%)	XCell
65 = Combustible gas 0-100% LEL - Methane (4.4% ATEX)	XCell
66 = Combustible gas 0-100% LEL - Propane (1.7% ATEX)	XCell
67 = Combustible gas 0-100% LEL - Heptane (0.85% ATEX)	XCell
68 = Combustible gas 0-100% LEL - Nonane (0.7% ATEX)	XCell

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)
86 = Hydrogen Sulfide DS, Alcohol Tolerant, 0-10 PPM
87 = Hydrogen Sulfide DS, Alcohol Tolerant, 0-50 PPM
88 = Hydrogen Sulfide DS, Alcohol Tolerant, 0-100 PPM

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
AK = IR combustible 0-100% LEL - Acetone
AS = IR combustible 0-100% LEL - Benzene
BY = IR combustible 0-100% LEL- Ethanol
CD = IR combustible 0-100% LEL - Ethylene
CF = IR combustible 0-100% LEL- Ethylene Oxide
CJ = IR combustible 0-100% LEL- Hexane
CG = IR combustible 0-100% LEL- Gasoline (Hexane)
CP = IR combustible 0-100% LEL- Isopropanol
DJ = IR combustible 0-100% LEL- Methyl Methacrylate
FJ = IR combustible 0-100% LEL- Ethanol (ATEX)
FL = IR combustible 0-100% LEL Ethylene (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:

* Gas codes 30, 31, 32, 35, 40, 41, 50, 51, 71, 73, 74 and 76 are Div 2/Zone 2.

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