## ULTIMA® X5000 Gas Monitor

The future looks bright.



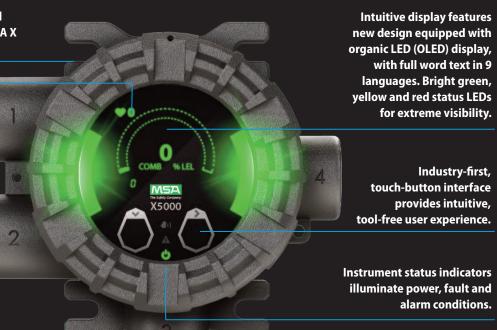
Simple retrofits have identical footprint and wiring to ULTIMA X Gas Monitor series.

Bluetooth® wireless technology allows mobile device to act as HMI screen and controller.



Download the X/S Connect App from the Google Play store.

Reduce setup time by at least 50% with the X/S Connect App



## **Advanced Sensor Technology**





- Patented XCell Sensors with TruCal technology extend calibration cycles for as long as 18 months, actively monitor sensor integrity and compensate for environmental factors and electrochemical sensor drift.\*
- Worry-free operation; automatically self-checks four times per day.
- Three-year warranty and five-year expected life for XCell Sensors.
- **SafeSwap** enables safe and quick XCell Sensor replacement without powering off gas detector.
- **Dual sensor capability** doubles sensing power with half the footprint of a single gas sensor transmitter.

## **Applications**

- Chemical
- Oil and gas
- Petrochemical

- Utilities
- Wastewater
- General industry



## ULTIMA® X5000 Gas Monitor



PRODUCT SPECIFICATIONS				
COMBUSTIBLE GAS				
SENSOR TYPE				
TOXIC GAS & OXYGEN SENSOR TYPE				
JENJOKTIFE	Carbon Monoxide CO (XCell Toxic) Carbon Monoxide CO H <sub>2</sub> -Resistant (XCell Toxic)			
		llfide H <sub>2</sub> S (XCell Toxi		
	Oxygen O <sub>2</sub> (2	4		
SENSOR MEASURING				
RANGES				
	CO <sub>2</sub> : 0-2%, 0-5% Vol			
	CO: 0-100, 0-500, 0-1000 ppm			
	CO-H <sub>2</sub> Resist: 0-100 ppm			
	O <sub>2</sub> : 0-25%			
	5 years – XCell Sensors			
	10 years - inf	rared		
SENSOR PERFORMANCE*		REPEATABILITY	ZERO DRIFT	
	(TYPICAL)		(PER YEAR)	
XIR PLUS XCELL COMB		+/- 1% LEL or Vol	<2% full scale	
		+/- 1% LEL	<5% LEL	
XCELL H <sub>2</sub> S		+/- 3%	<1% full scale	
XCELL O2		+/- 0.1% Vol	0.2% Vol	
XCELL CO		+/- 3%	<1% full scale	
	US Divisions			
CLASSIFICATION				
	Class II Div 1 Groups E-G, T6; Class III			
	US Zones Class   Zone 1 AEx db IIC T5 Gb			
	Class II Zone 21 AEx tb IIIC T85°C Db			
	Global Zones			
	Ex db IIC T5 Gb			
	Ex tb IIIC T85°C Db			
WARRANTY	X5000 Transmitter: 2 years			
	XIR PLUS: 10 years source, 5 years electronics			
	XCell Sensors: 3 years			
APPROVALS				
		h C22.2 No. 152, FM	6320	
	RED, FCC Suitable for S	SII 2		
ENVIRONMENTAL SPECIFICATIONS OPERATING XCell: -40°C to +60°C				
OPERATING TEMPERATURE				
RANGE				
STORAGE	-40°C to +60	-		
TEMPERATURE				
RANGE				
RELATIVE HUMIDITY		II Toxics & O <sub>2</sub> )		
(NON-CONDENSING)				
	0-95% (XIR P			
* Typical response at stand	lard tomporati	iro and proceuro tact	conditions	

\* Typical response at standard temperature and pressure test conditions

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been

thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products. Specifications subject to change without notice.



Additional locations can be found on our web site: www.MSAsafety.com

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	The Safety Compa		
MECH	IANICAL SPECIFICATIONS		
INPUT POWER	10 to 30 VDC, 3 wire, <5W nominal		
SIGNAL OUTPUT	Dual 4-20 mA current source, HART		
BLUETOOTH	Bluetooth Low Energy (BLE) v4.3 or higher		
(OPTIONAL)			
RELAY RATINGS	5A @ 30VDC; 5A @220 VAC		
	(3X) SPDT – fault, warn, alarm		
	Common, discrete, horn		
NOMINAL MAX			
POWER	XCell Comb5.5WXCell Toxic & O22.8WXCell Toxic & O22.8W		
(W/ RELAYS)	XIR PLUS and XCell Comb 9.6W		
	XIR PLUS and XCell Toxic & O <sub>2</sub> 7.0W		
	Dual XIR PLUS 11.6W		
	Dual XCell Toxic & O <sub>2</sub> 3.6W		
	Dual XCell Comb 10.6W		
	Dual XCell Comb and XCell Toxic & O <sub>2</sub> 5.5W		
EMC DIRECTIVE	Complies with EN 50270, EN 61000-6-4, EN 61000-6-3		
DISPLAY	Organic LED (multi-lingual) with Contrast Ratio		
	of 2000:1 and View Angle of 160°		
HART	HART 7, HART device description language available		
FAULTS MONITORED			
	checksum error, EEPROM error, internal circuit		
	error, relay, invalid sensor configuration, sensor faults, calibration faults, general system		
WIRING	3-wire (single sensor) or 4-wire (dual sensor)		
REQUIREMENTS			
	Refer to manual for mounting distances and wire		
	gauge.		
	DIMENSIONS		
5.88			
[149.4]			
[68,58]			
	4.86 [123.44]		
4.50 [114.3]			
	Single XCell Sensor Deep Lid (relay board)		
	[340.97]		
205			
2			
STITE			
	al Sensor Short Lid		
	Cell and XIR PLUS) (no relays)		
<u>ست</u> We	eight: 8.8 lbs (4 kg) - 316 SS		

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