

ULTIMA® X5000



WE KNOW YOU'RE TIRED OF...



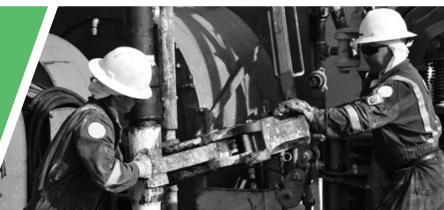


"NEEDING TO DISCONNECT POWER BEFORE CHANGING A SENSOR"

> "REMEMBERING HOW TO CALIBRATE THIS THING"

"HAVING TO PULL SO MUCH WIRE AT EVERY GAS DETECTOR INSTALLATION..."

"WONDERING IF THE GAS DETECTOR IS WORKING"





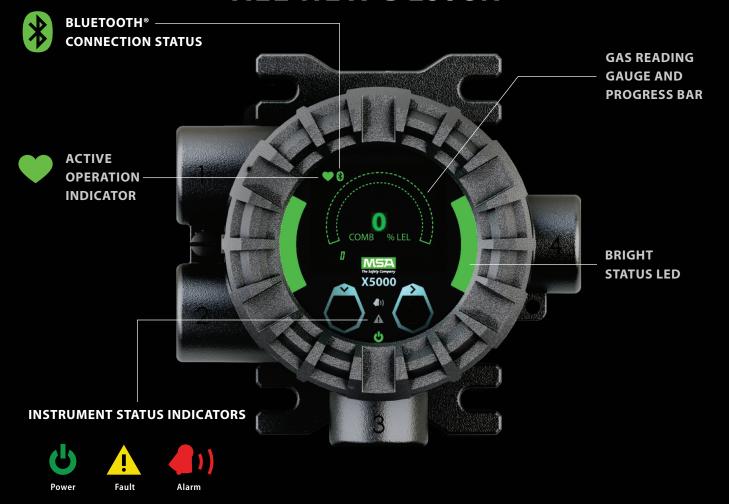
YOU HAVEN'T BEEN ABLE TO DO ANYTHING ABOUT IT... UNTIL NOW

"LOSING MY
MAGNET... I HAVE
BIGGER THINGS TO
WORRY ABOUT"





ALL NEW DESIGN



STAY CONNECTED. WORK SMARTER.

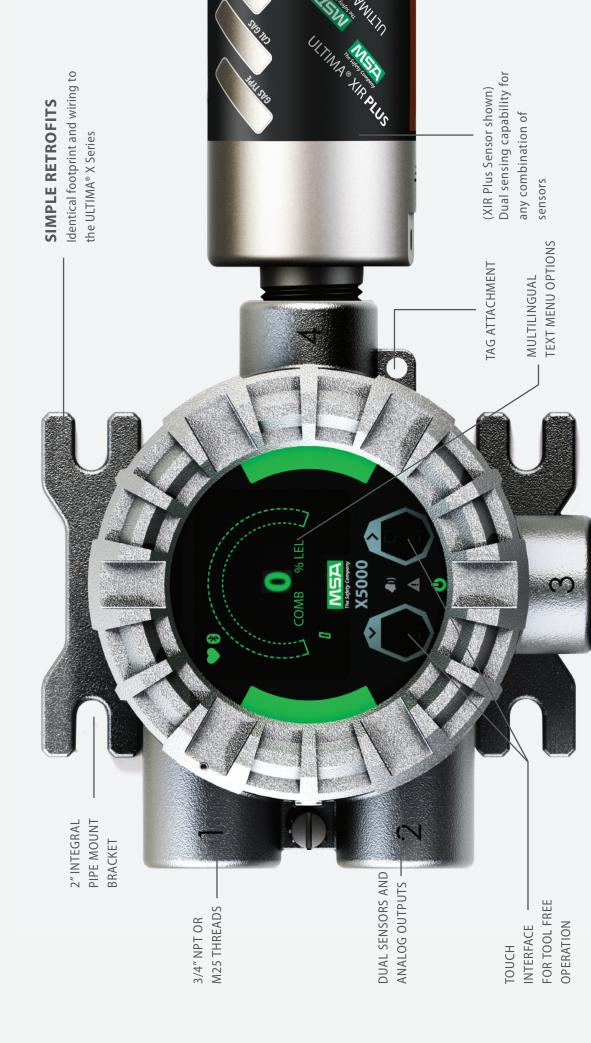
- Bluetooth wireless technology
- Check status and get alerts up to 75 ft (23 m) away
- Modify settings/setpoints/alarms
- Initiate calibration and view progress
- Reduce setup time by at least 50%





Do More with Less

1 Transmitter = 2X Sensing Power





SafeSwap®

Safely and quickly replace sensors without turning off the instrument

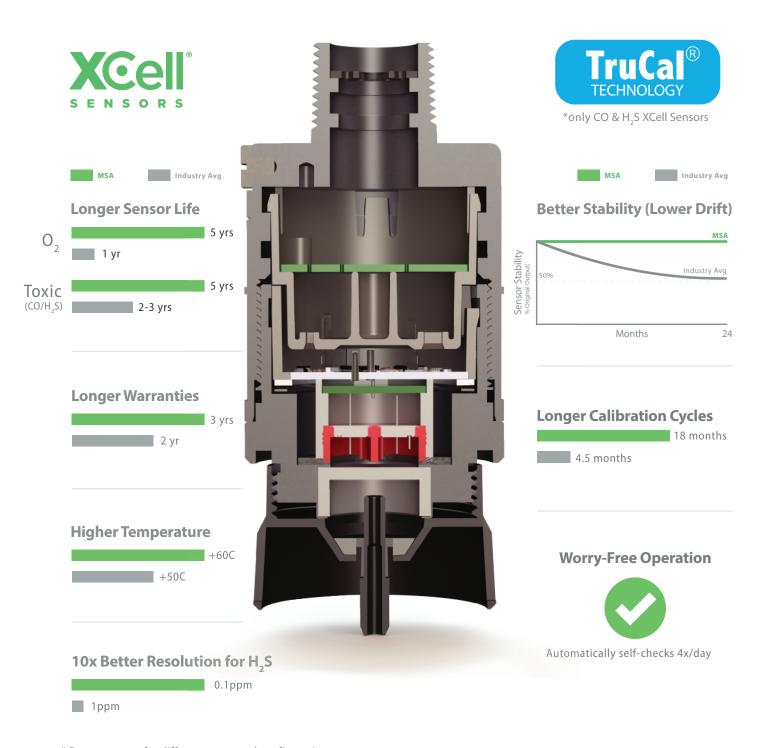
(ACTUAL SIZE)

MATERIAL OPTIONS



NEW ADVANCED SENSOR TECHNOLOGY

Up to 1.5 YEARS between calibrations!



^{*} Data may vary for different gases and configurations



IT MAKES SENSE...NO EXCEPTIONS







WARRANTY



PATENTS

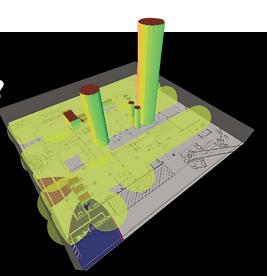
We're going to help you save*				
Installation	30%	~\$7,000		
Annual Maintenance	50 %	~\$1,500		
Over the life of the product	75 %	~\$15k		

^{*} Based on 10 sensors and 2 sensors/transmitter

Questions about sensor placement?

MSA's new gas and flame mapping service combines 150 years of gas detection experience with 3D technology to help you maximize the effectiveness of every sensor.

Check out the link for more information: https://us.msasafety.com/gas-mapping



The Safety Company

ULTIMA X5000 Gas Monitor Specifications

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P	RODUCT SPE	CIFICATIONS		
COMBUSTIBLE GAS SENSOR TYPE				
TOXIC GAS & OXYGEN SENSOR TYPE	Hydrogen Sulfide H ₂ S (XCell Toxic)			
SENSOR MEASURING RANGES	Combustible: 0-100% LEL			
TYPICAL SENSOR LIFE	,			
SENSOR PERFORMANCE*		REPEATABILITY	ZERO DRIFT (PER YEAR)	
XIR PLUS	<2 sec.	≤ +/- 1% LEL	<5% LEL	
XCELL COMB	<22 sec.	≤ +/- 1% LEL	<5% LEL	
XCELL H ₂ S	<23 sec.	+/- 5%	<1% full scale	
XCELL O ₂	<15 sec.	≤ +/- 0.3% Vol	0.2% Vol	
XCELL CO	<9 sec.	+/- 5%	<1% full scale	
CLASSIFICATION	US Divisions Class I Div 1 Groups A-D, T5, Type 4X, IP66 Class II Div 1 Groups E-G, T6; Class III US Zones Class I 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	CSA, ATEX, IECEx, CE Marking. Complies with C22.2 No. 152, FM 6320, ANSI/ISA 12.13.01, ATEX/ IEC: EN 60079-29-1 Suitable for SIL 2			
ENVII	RONMENTAL	SPECIFICATIONS		
OPERATING TEMPERATURE RANGE STORAGE	(may differ by gas, see manual)			
TEMPERATURE RANGE				
RELATIVE HUMIDITY (NON-CONDENSING)	10-95% (XCell Toxics & O2) 0-95% (XCell Comb) 0-95% (XIR PLUS)			

 $[\]hbox{\it *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 shalt 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. Corporate Headquarters: MSA – The Safety Company 1000 Cranberry Woods Drive Cranberry Township, PA 16066 United States +1-724-776-8600 info.us@MSAsafety.com

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

MECHANICAL SPECIFICATIONS				
INPUT POWER	10 to 30 VDC, 3 wire, <5W nominal			
SIGNAL OUTPUT	Dual 4-20 mA current source, HART, Bluetooth. Optional: w/o Bluetooth			
RELAY RATINGS	5A @ 30VDC; 5A @220 VAC (3X) SPDT – fault, warn, alarm			
RELAY MODES	Common, discrete, horn			
NOMINAL MAX POWER (W/ RELAYS)	XCell Comb	6.7W 5.5W 2.8W 9.6W 7.0W 11.6W 3.6W		
	Dual XCell Comb Dual XCell Comb and XCell Toxic & O ₂	10.6W 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	Low supply voltage, RAM checksum error, flash checksum error, EEPROM error, internal circuit error, relay, invalid sensor configuration, sensor faults, calibration faults, general system			
WIRING REQUIREMENTS	3-wire (single sensor) or 4-wire (dual sensor) shielded cable. Refer to manual for mounting distances and wire gauge.			

