

ULTIMA® X5000

Gas Monitor



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"

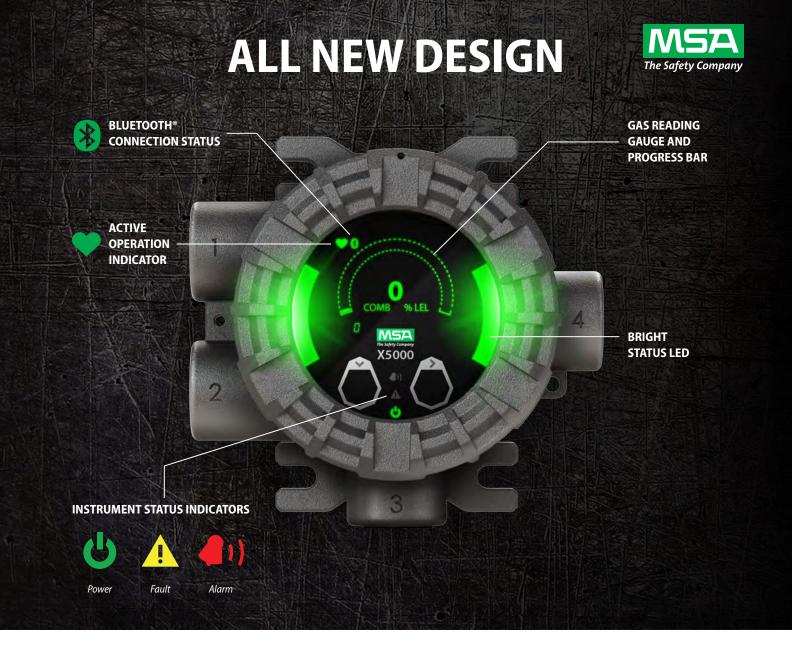




YOU HAVEN'T BEEN ABLE TO DO ANYTHING ABOUT IT... UNTIL NOW.

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





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%





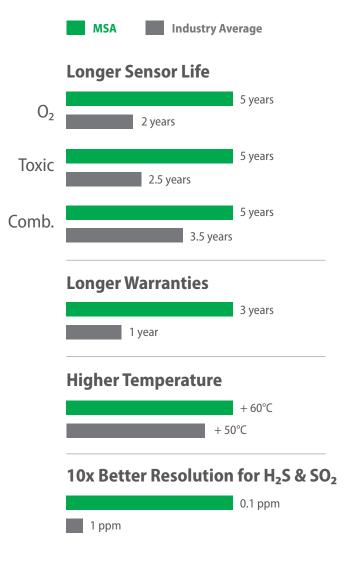


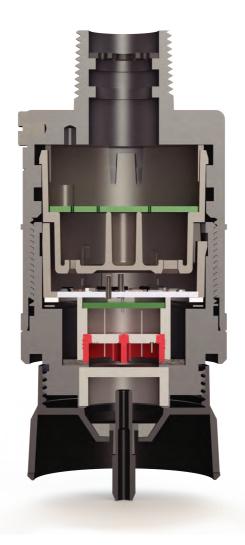


ADVANCING SENSOR TECHNOLOGY

Up to **2 YEARS** between calibrations!







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



RE-CALIBRATE YOUR EXPECTATIONS



Adaptive Environmental Compensation (AEC)



Diffusion Supervision (DS)



Diffusion Supervision warns if the sensor inlet becomes blocked and unable to detect gas. It employs a proprietary acoustic mechanical design and algorithms to measure sound across the sensor's inlet. If the inlet is blocked with a material, like ice, the difference in the sound is detected and the unit is put into fault. When the obstruction is removed, Diffusion Supervision detects the clearance and returns to normal operation. H_2S and CO Sensors configured with Diffusion Supervision technology allow extended calibration cycles of 24 months reducing maintenance costs and allowing resources to be utilized elsewhere!

DO MORE WITH LESS





IT MAKES SENSE... NO EXCEPTIONS







EXPECTED LIFE

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		

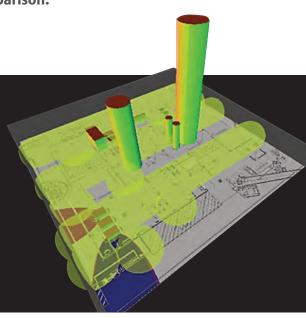
Request a Cost of Ownership comparison.

Questions about sensor placement?

MSA's gas and flame mapping service combines 160 years of gas detection experience with 3D technology to help you maximize the effectiveness of every sensor.

Check out the link or scan for more information: *MSAsafety.com/gas-mapping*





* Based on 10 sensors and 2 sensors/transmitter

ULTIMA X5000 Gas Monitor

Specifications



	Product Spec	ifications			
COMPLICTIBLE CAC					
COMBUSTIBLE GAS	,	Catalytic Bead (XCell combustible)			
SENSOR TYPE	Infrared (XIR Plus)				
TOXIC GAS	XIR PLUS	Carbon I	Dioxide (CO ₂)		
& OXYGEN	XCell Toxic	Ammon	ia (NH ₃),		
SENSOR TYPE		Carbon I	Monoxide (CO),		
		Carbon N	Monoxide (CO) H ₂ -resistant,		
		Hydroge	n Sulfide (H₂S),		
		Chlorine	(Cl ₂), Sulfur Dioxide (SO ₂)		
	XCell O ₂	Oxvaen	(O ₂)		
	_	, ,	ia (NH ₃), Hydrogen (H ₂),		
	Licetrociiciii.		en Chloride (HCI),		
		, ,	ride (NO),		
			n Dioxide (NO ₂),		
			oxide (SO ₂)		
CENCOD	Cambuatible				
SENSOR	Combustible		0% LEL		
MEASURING	CO ₂		, 0-5% Vol		
RANGES	CO), 0-500, 0-1000 ppm		
	CO, H ₂ -resistar				
	Cl ₂	0-5, 0	-10, 0-20 ppm		
	H ₂	0-100	00 ppm		
	HCI	0-50	opm		
	H₂S	0-10,	0-50, 0-100, 0-500 ppm		
	NH ₃	0-100), 0-1000 ppm		
	NO	0-100) ppm		
	NO ₂	0-10	ppm		
	0,2	0-259	6		
	SO ₂		0-100 ppm		
TYPICAL CENCOR	_				
TYPICAL SENSOR	XCell Sensors	5 yea			
LIFE	Infrared	10 ye	ars		
APPROVALS	Markings vary by component.				
CLASSIFICATION	See manual for specific component markings.				
DIVISIONS (US/CAN)	Class I, II, III; Div 1 & 2, T4/T5/T6				
ZONES (GLOBAL)	Ex db nA IIC T5 Gb (Class I, Zone 1/Zone2)				
	Ex tb IIIC T85°C Db (Class II, Zone 21)				
ENCLOSURE RATING	Type 4X, IP66				
WARRANTY	X5000 transm	itter	2 years		
	XIR PLUS		10 years source,		
	AIII I EOS		5 years electronics		
	XCell Sensors		,		
		1.6	3 years		
			rs Varies by gas		
APPROVALS		, IECEx, IN	METRO, DNV-GL Marine,		
	CE Marking.				
	Complies with	C22.2 No.	152, FM 6320		
	RED, FCC, Suita				
	, ,				
	rironmental Sp				
OPERATING	** May differ by				
TEMPERATURE	XCell -40	°C to +60°	C		
RANGE	XIR PLUS -40	°C to +60°	°C		
STORAGE	-40°C to +60°C				
TEMPERATURE					
RANGE					
RELATIVE HUMIDITY	XCell toxics &	n 1	0-95%		
(NON-CONDENSING)		_			
(NON-CONDENSING)	XCell combust)-95%		
	XIR PLUS	1	5-95%		

	Mechanical Specifications				
INPUT POWER	11 to 30 VDC, 3 wire, <5 W nominal				
SIGNAL OUTPUT	Dual 4-20 mA current source, HART				
BLUETOOTH (OPTIONAL)	Bluetooth Low Energy (BLE) v4.3 or hi	gher			
RELAY RATINGS	5 A @ 30 VDC; 5 A @ 220 VAC				
	(3X) SPDT - fault, warn, alarm				
RELAY MODES	Common, discrete, horn				
NORMAL MAX POWER		Without Relays			
	XIR PLUS	5.7 W	6.7 W		
	XCell combustible	3.9 W	4.9 W		
	XCell Toxic & O ₂	1.8 W	2.8 W		
	XIR PLUS & XCell combustible	9.9 W	10.9 W		
	XIR PLUS & XCell toxic or O ₂	6.0 W	7.0 W		
	Dual XIR PLUS	10.6 W	11.6 W		
	Dual XCell toxic & O ₂	2.6 W	3.6 W		
	Dual XCell combustible	9.6 W	10.6 W		
	Dual XCell comb. & XCell toxic or O ₂	4.3 W	5.3 W		
EMC DIRECTIVE	Complies with EN 50270, EN 61000-6- EN 61000-6-3	4,			
DISPLAY	Organic LED (multi-lingual) with contrast ratio of 2000:1 and view angle of 160°				
HART	HART 7, HART device description lang	uage ava	ilable		
FAULTS MONITORED	Low supply voltage, RAM checksum error, flash checksum error, EEPROM error, internal circuit error, relay, invalid sensor configuration, sensor faults, general system				
CABLE REQUIREMENTS	3-wire shielded cable for single sensor and 4-wire shielded cable for dual sensor configurations. Accommodates up to 12 AWG or 4 mm2 Refer to manual for mounting distances.				
	Dimensions				
6.88 140.4 140.4 140.4 140.5 140	[340,07]				



Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice.

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