

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

BLUETOOTH CONNECTION STATUS

SENSOR LIFE INDICATOR

GAS READING GAUGE AND PROGRESS BAR

BRIGHT STATUS LEDs

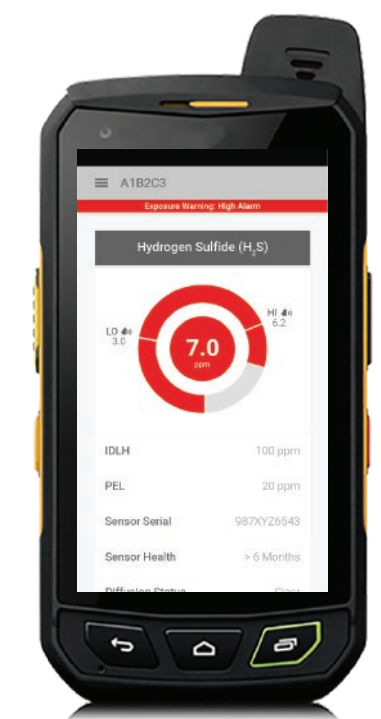
INSTRUMENT STATUS INDICATORS

- Power
- Fault
- Alarm

The device displays: 5 COMB % LEL, MSA The Safety Company X5000, and a heart icon with a battery symbol.

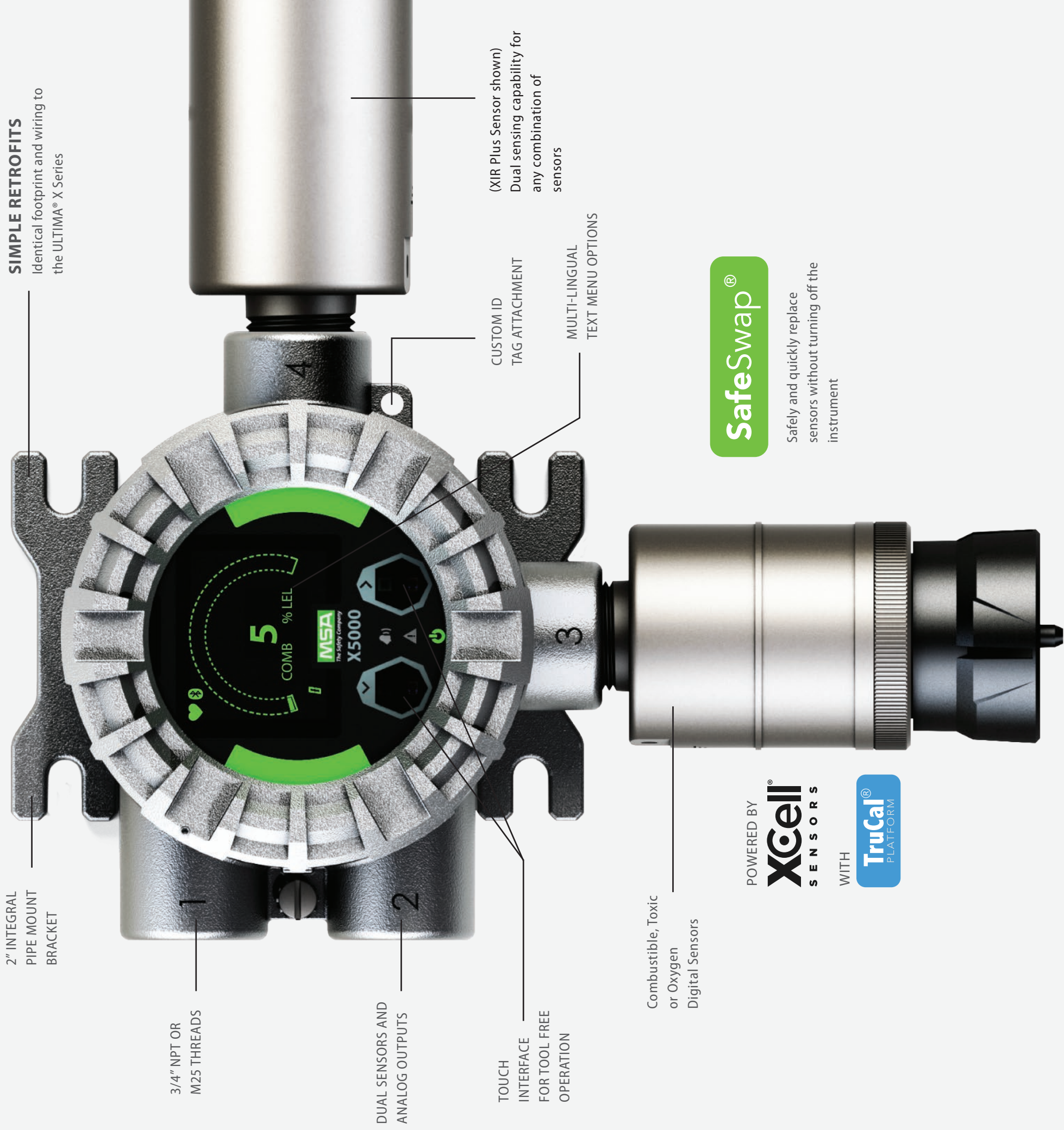
STAY CONNECTED. WORK SMARTER.

- Bluetooth enabled
- Check status and get alerts up to 75 ft 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



2" INTEGRAL PIPE MOUNT BRACKET

SIMPLE RETROFITS
Identical footprint and wiring to the ULTIMA® X Series

3/4" NPT OR M25 THREADS

DUAL SENSORS AND ANALOG OUTPUTS

TOUCH INTERFACE FOR TOOL FREE OPERATION

CUSTOM ID TAG ATTACHMENT

MULTI-LINGUAL TEXT MENU OPTIONS

Combustible, Toxic or Oxygen Digital Sensors

(XIR Plus Sensor shown)
Dual sensing capability for any combination of sensors

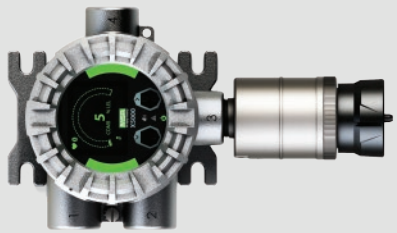
SafeSwap®

Safely and quickly replace sensors without turning off the instrument

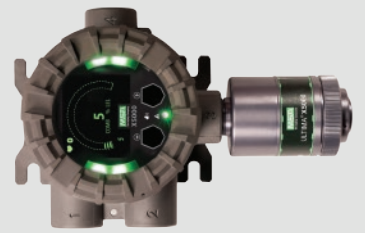
POWERED BY **XCell** SENSORS WITH **TruCal** PLATFORM

(ACTUAL SIZE)

MATERIAL OPTIONS



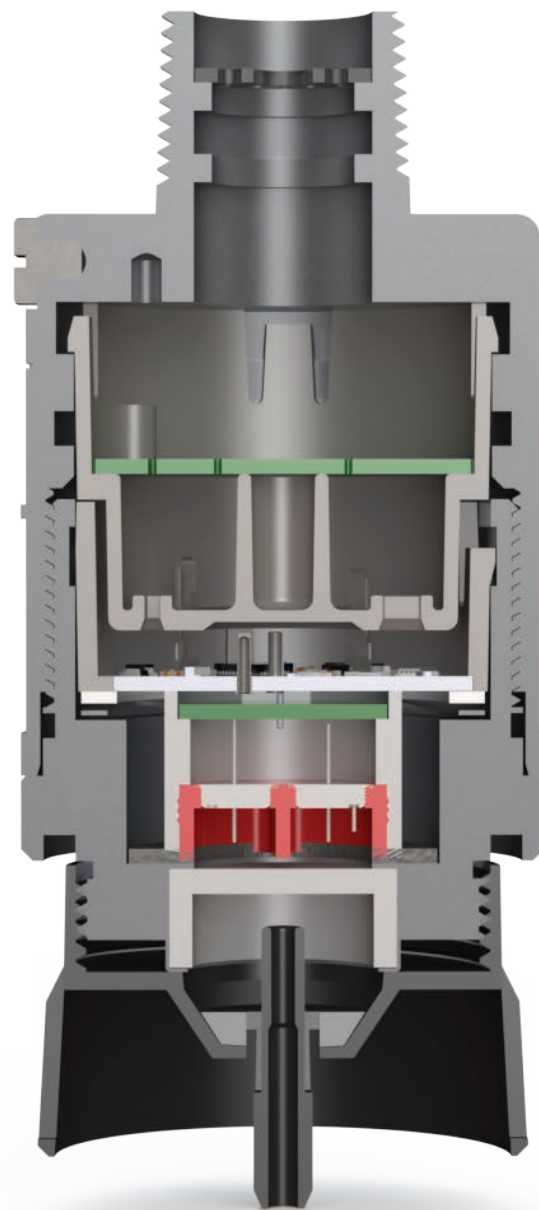
STAINLESS STEEL
Ultra Corrosion Resistant
8.8 lbs



ANODIZED ALUMINUM
Durable & Lightweight
3.5 lbs

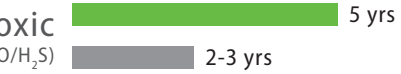
Up to **1.5 YEARS** between calibrations!

XCell
SENSORS

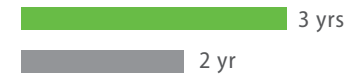


■ MSA ■ Industry Avg

Longer Sensor Life



Longer Warranties



Higher Temperature



Better Resolution for H₂S

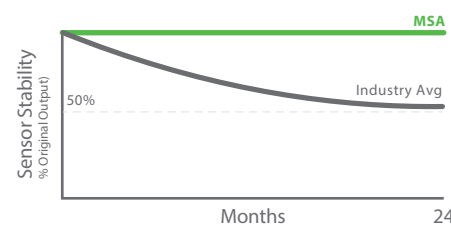


TruCal[®]
TECHNOLOGY

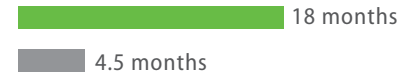
*only CO & H₂S

■ MSA ■ Industry Avg

Better Stability (Lower Drift)



Longer Calibration Cycles



Worry-Free Operation



Automatically self-checks 4x/day



EXPECTED LIFE



WARRANTY



PATENTS

We're going to help you save

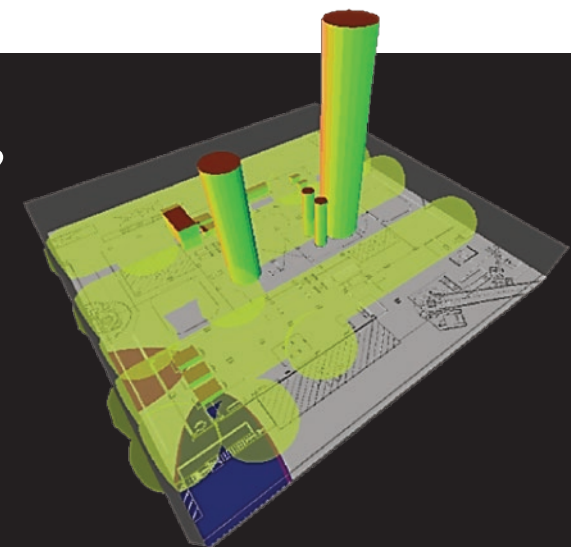
Installation	30%	~\$7,000
Annual Maintenance	50%	~\$1,500
Over the life of the product	75%	~\$15k

* 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>



* Data may vary for different gases and configurations

X5000 Gas Monitor Specifications and Features

Specifications	Description	Features
GAS TYPES	Catalytic bead, XCell Sensors	Combustible, toxics and oxygen
	Infrared (XIR)	Combustibles and carbon dioxide
TEMPERATURE RANGE	Catalytic bead, XCell Sensors	-40°C to 60°C (-40°F to +140°F)
	Infrared	-40°C to 60°C (-40°F to +140°F) - may differ by gas
DRIFT	Zero drift	<5%/year, typical <2%/year, typical (IR)
	Span drift	<10%/year, typical
ACCURACY	Repeatability	+/- 5% full scale, typical XIR Plus: +/- 2% full scale
	Linearity	+/- 5% full scale, typical XIR Plus: +/- 2% full scale
RESPONSE TIMES (T90)	Combustible	< 3 seconds (Infrared), <30 seconds (Catalytic bead)
	Oxygen	< 10 seconds
	H ₂ S and CO	< 15 seconds
HUMIDITY	Catalytic bead, XCell Sensors	15% - 95% RH, non-condensing
	Infrared	0% - 95% RH, non-condensing
SENSOR LIFE	XCell Sensors	5 years typical
	Catalytic bead	5 years typical
	Infrared	10 years typical
POWER	All sensors	10-30 VDC, 3 wire, < 5W nominal, <3W ECO-mode
	XCell Sensors	10-30 VDC, 2 wire, <0.5W
SIGNAL OUTPUT	Toxic & oxygen	4-20 mA current sink (2 wire only) *Coming Soon
	All sensors	4-20 mA current source
	All sensors	HART output
	All sensors	Bluetooth
	All sensors	Wireless HART, Modbus (optional)
RELAYS		(2) Alarm & (1) Fault, 5A @ 220 VAC; 5A @30VDC
HOUSING ENTRIES		(4) 3/4" NPT or M25
PHYSICAL		316 SS, 8.8 lbs (4 kg) ADC12 Aluminum, 3.5 lbs (1.6 kg)
APPROVAL RATINGS	USA/Canada cFMus, CSA Class I Div 1 Groups A-D, T4, Type 4X, IP66 Class II Div 1 Groups E-G; Class III Class I Zone 1 Aex db IIC T5 Gb (NA Zones) Class II Zone 21 Aex tb IIC T100C Db (NA Zones) Ex db IIC T5 Gb (Global Zones) Ex tb IIC T100C Db (Global Zones)	Europe ANSI/ISA/ATEX/IEC – 60079-2-1 (12.13.01) C22.2 no. 152 SIL Certification SIL 2 @ HFT=0 (oxygen, catalytic combustible, and IR) SIL 1 @ HFT=0; SIL2 @ HFT = 1 (toxic)

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.

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