

S5000



*A DETECTOR AS TOUGH
AS YOU ARE...*



EXTREME DURABILITY

ANYTIME. ANYWHERE.



"LOWER TEMPERATURE SPEC? ...ALBERTA WINTERS"

"IT HAS TO BE THE MOST RELIABLE PIECE OF EQUIPMENT OUT HERE"

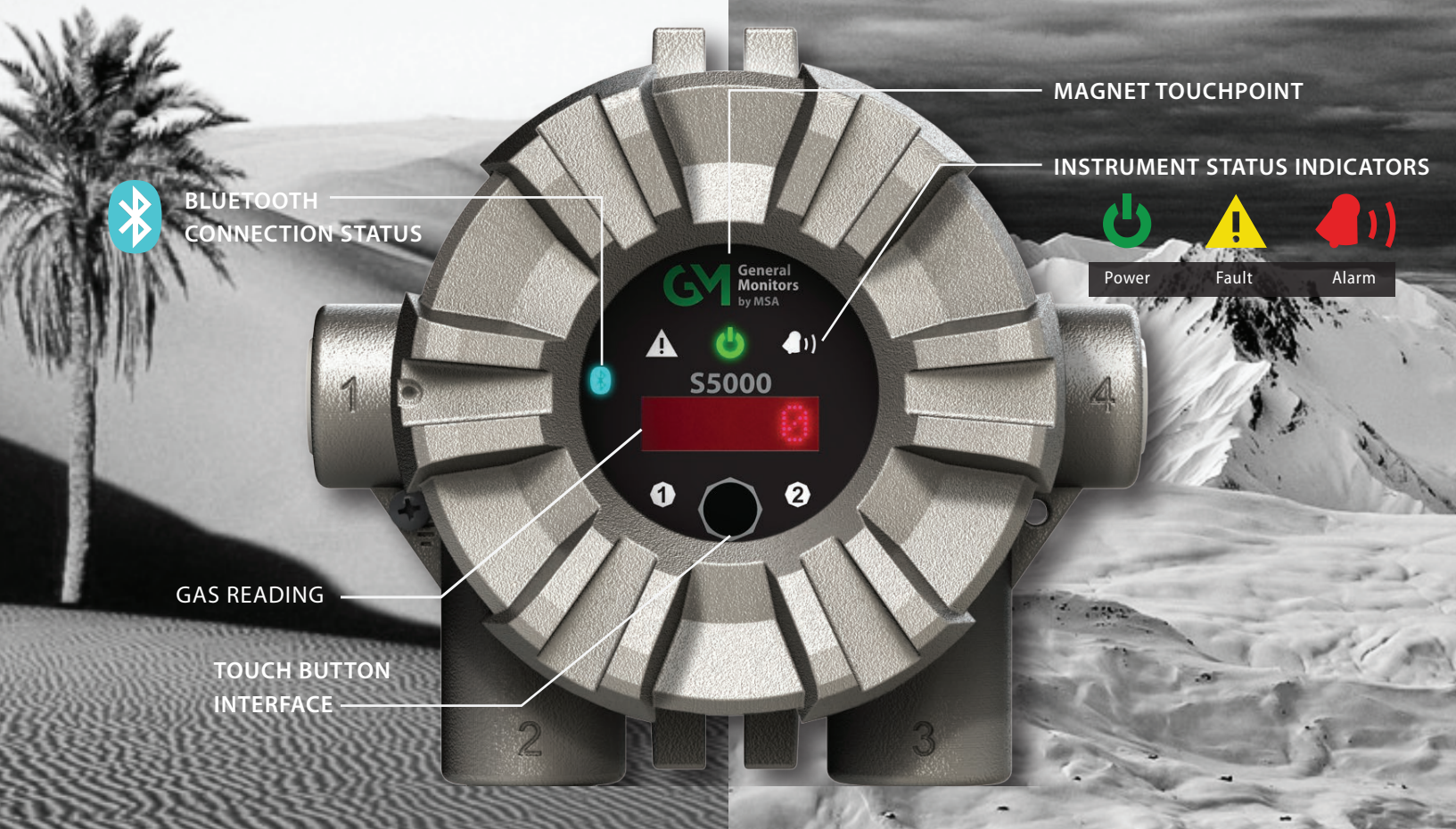
"IF THE DETECTOR DOESN'T WORK, WE DON'T -- SO IT NEEDS TO WORK"

"I DON'T HAVE TIME TO BABYSIT A GAS DETECTOR"



IS THE ONLY DETECTOR YOU'LL NEED

"I WANT TO INSTALL IT AND FORGET ABOUT IT"



STAY CONNECTED. WORK SMARTER.

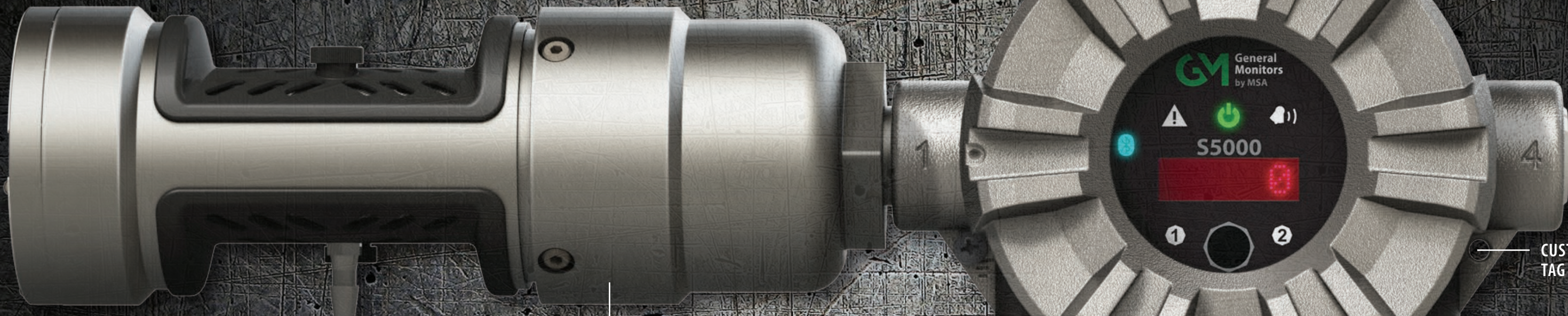
- Bluetooth enabled
- Check status and get alerts up to 75 ft away
- Modify settings/setpoints/alarms
- Initiate calibration and view progress
- Reduce setup time by at least 50%



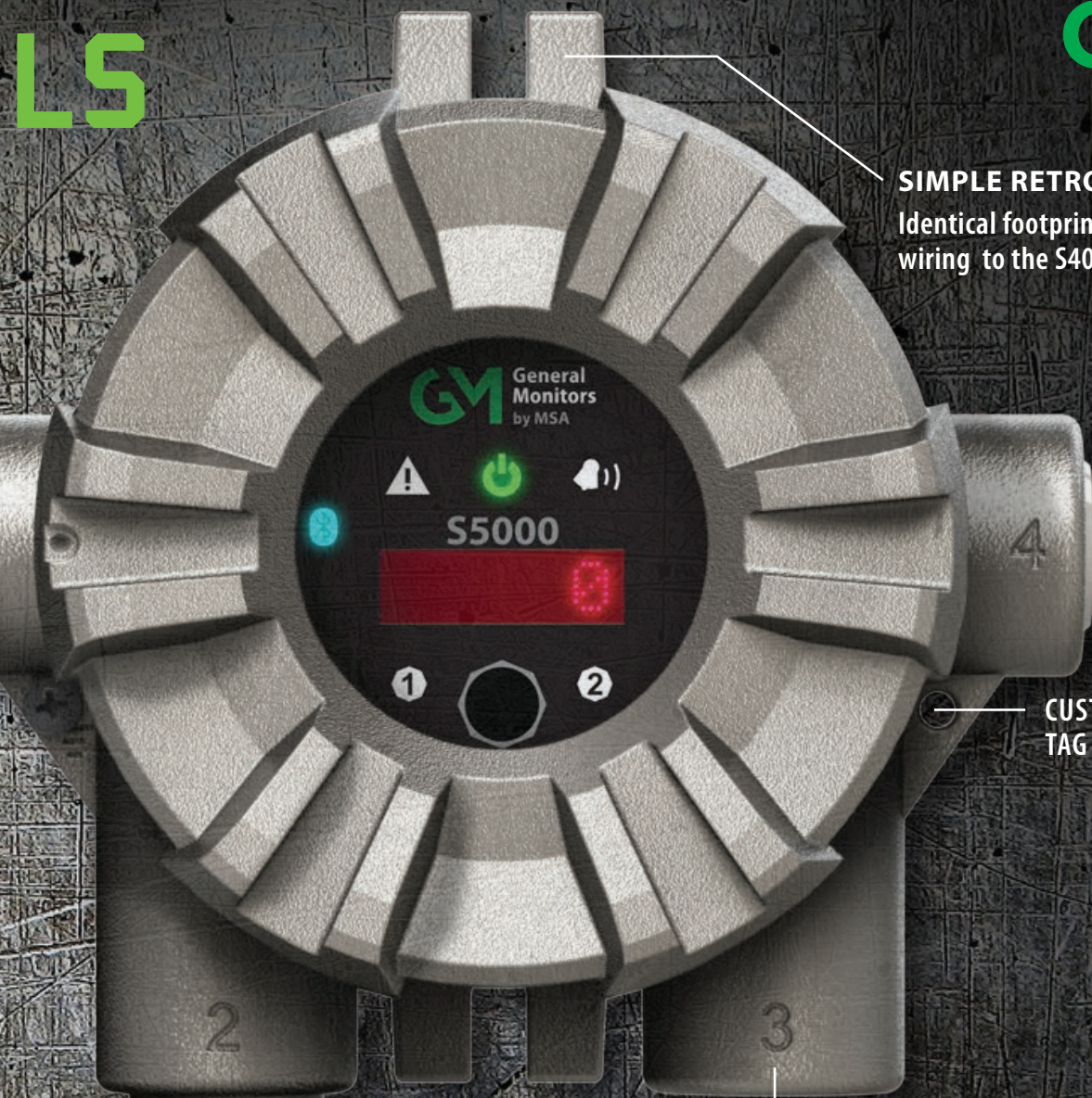
WHEN EVERYTHING ELSE FAILS

It just works. All day. Every day.

SIMPLE RETROFITS
Identical footprint and
wiring to the S4000 Series



POINT IR
DETECTOR



CUSTOM ID
TAG ATTACHMENT

PASSIVE AND DIGITAL
SENSOR OPTIONS

3/4" NPT

POWERED BY
XCell
SENSORS

WITH
TruCal
PLATFORM

SafeSwap[®]

Safely and quickly replace
sensors without turning off
the instrument

MATERIAL OPTIONS



STAINLESS STEEL
Ultra Corrosion
Resistant
8 lbs



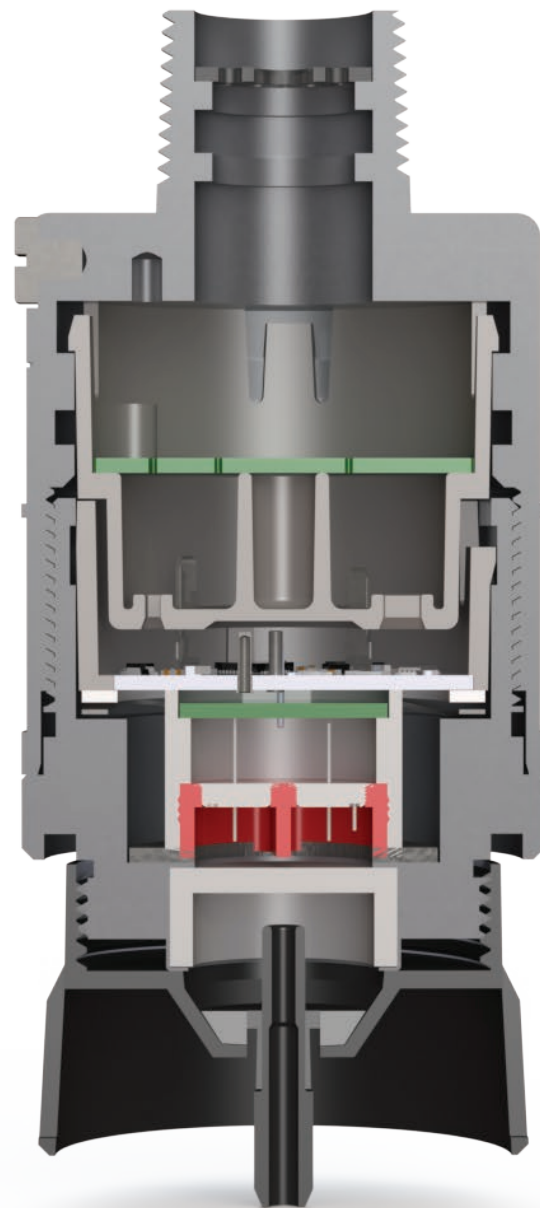
ANODIZED ALUMINUM
Durable & Lightweight
3.5 lbs



(ACTUAL SIZE)

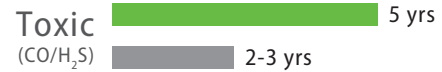
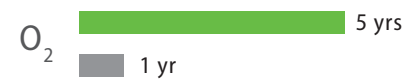
Up to **1.5 YEARS** between calibrations!

XCell
SENSORS

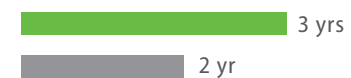


MSA Industry Avg

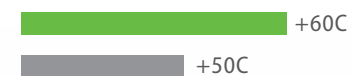
Longer Sensor Life



Longer Warranties



Higher Temperature



Better Resolution for H₂S

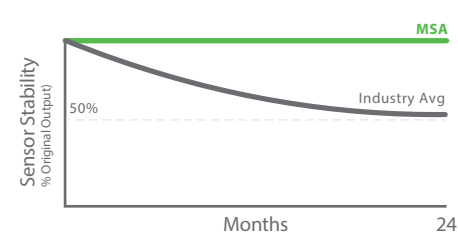


TruCal
TECHNOLOGY

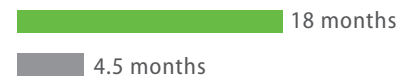
*only CO & H₂S

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

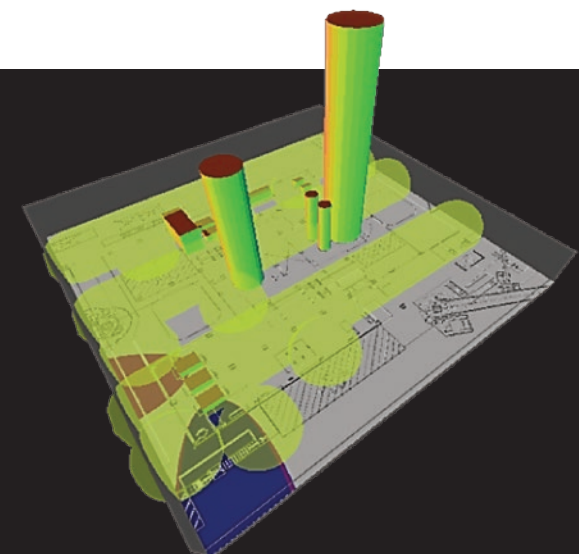
Installation	30%	~\$7,000
Annual Maintenance	50%	~\$1,500
Over the life of the product	75%	~\$15k

* 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

S5000 Gas Monitor Specifications and Features

Specifications	Description	Features
GAS TYPES	Catalytic bead, XCell Sensors, Metal Oxide Semi-conductor (MOS)	Combustible, toxics and oxygen
	Infrared (IR400)	Combustibles
TEMPERATURE RANGE	Catalytic bead, XCell Sensors, metal oxide semiconductor (MOS)	-55°C to +75°C (-67°F to + 167°F)
	Infrared	-55°C to +75°C (-67°F to + 167°F)
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	Combustible	T90 < 3 seconds (infrared)
HUMIDITY	Catalytic bead, XCell Sensors, metal oxide semiconductor (MOS)	15% - 95% RH, non-condensing
	Infrared	0% - 95% RH, non-condensing
SENSOR LIFE	XCell Sensors	5 years typical
	Catalytic bead, Metal Oxide Semi-Conductor	5 years typical
	Infrared	10 years typical
POWER	All sensors	12-30 VDC, 3 wire, < 5W nominal
	XCell Sensors	12-30 VDC, < 0.5W
SIGNAL OUTPUT	All sensors	4-20 mA current source
	All sensors	HART output
	All sensors	Bluetooth
	All sensors	Modbus, Wireless HART (optional)
RELAYS		(2) Alarm & (1) Fault, 5A @ 220 VAC; 5A @ 30VDC
HOUSING ENTRIES		(4) 3/4" NPT
PHYSICAL		316 SS, 8 lbs (3.6 kg) ADC12 Aluminum, 3.5 lbs (1.6 kg)
APPROVAL RATINGS	USA/Canada cFMus, cULus, CSA Class 1, Div. 1 and 2, Groups A, B, C, D Class 2, Div. 1, Groups F & G, Class III NEMA 4X, IP66 ANSI/ISA 12.13.01 CSA C22.2 No. 152, Class 1, Div. 1, Groups A, B, C, D CSA C22.2 No. 152, Class 1, Div. 1, Groups B, C, D (XIR)	Europe CE Low Voltage/EMC/ATEX, EN60079-1 11 2G Ex d 11CT4IP66 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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