



# TITAN™ Combustible Gas Detector

[ Reliable, easy to use and durable ]

**MSA, the industry leader with more than 85 years of experience, has surpassed the limits again by introducing the best combination of features, performance and benefits available on the market.**

The TITAN Combustible Gas Detector is reliable, easy to use and durable. It stands up to the roughest handling in the harshest environments and is part of the MSA Stellar series of portable gas-detection instruments, which comprises single-gas and multigas instruments. It is designed and built with the high quality you expect from MSA.

It is perfect for the following industries:

- Chemical/Petrochemical
- Construction
- Fire Service
- Oil and Gas
- Utilities
- Telecommunications
- Various Industrial Applications

The following features prove why the TITAN Combustible Gas Detector provides the most for the money in the industry:

### One-Button Operation

The easiest operation available, with only one button. Intuitive one-button operation does not allow false readings. Simply switch on, and it warns you of the presence of dangerous levels of combustible gases or vapors.

### Strong, Reliable Construction

The TITAN Combustible Gas Detector features excellent resistance to penetration from water and dust, allowing it to perform under the harshest conditions and in the toughest environments. The unit has a weather-resistance rating of IP54 and is constructed to survive accidental drops.

### Large, Easy-To-Read Display

With one of the largest displays of any pocket-sized instrument on the market, the TITAN Combustible Detector is easy to read. The screen's back-lighting provides exceptional contrasts, making it highly visible from a variety of angles in low-light conditions.



## Maximum Alarms

The unit is equipped with an 85 dB, piercing audible alarm and a more-than-320°-angle, highly visible visual alarm. A NiMH battery pack with vibrating alarm is also available as an option. This triple alarm feature leaves no doubt and provides a visible, audible and vibrating warning in alarm situations.

## Flexibility of Power Supplies

The TITAN Combustible Gas Detector accommodates a NiMH battery pack, which provides a minimum of 11 hours of continuous instrument operation, or an alkaline battery pack. With alkaline batteries, the unit will operate at least 13 hours. A full battery charge using MSA's Fast Charger takes less than four hours.

## Durable Sensor

The combustible gas sensor in the TITAN Combustible Gas Detector is the MSA Series 20L Sensor. The 20L sensor provides up to 50 times the silicone poison tolerance, which considerably expands the life of the sensor. It is also easy to replace—simply remove one screw, remove the sensor cap, and lift out the sensor.

**This combination of features, performance and benefits makes the TITAN Combustible Gas Detector an unparalleled revelation to the industry and provides the confidence you are looking for in a gas detector. Best of all, it is designed, manufactured and warranted by MSA—the most trusted and leading name in the industry.**

### TITAN Specification

<b>Weight</b>	7.7 oz (Alkaline) 8.8 oz (NiMH)	(220 g) (250 g)
<b>Size</b>	4 1/2" x 2 1/4" x 1 1/4" (122 x 62 x 34 mm)	
<b>Measure range and alarm levels:</b>		
<b>Gas</b>	<b>Range</b>	<b>Resolution</b> <b>Alarm</b>
Combustible gases	0–100% LEL 0–5% by volume	1% LEL 0.01% by volume
<b>Alarms</b>	Two ultra-bright big LEDs visible over a 320° angle, 85 dB piercing audible alarm. Optional vibrating alarm.	
<b>Display</b>	High-contrast, big LCD display	
<b>Battery type</b>	Interchangeable rechargeable nickel metal hydride (NiMH) battery pack, NiMH with vibration alarm or dry cell pack AA alkaline cells.	
<b>Run time</b>	NiMH >11 hours Alkaline >13 hours	
<b>Charge time</b>	<4 hours with MSA Delta Fast Charger (100–250 VAC, 12–24 VDC)	
<b>Temperature</b>	Normal 32°F to 122°F short periods -4°F to 32°F	(0°C to 50°C) (-20°C to 50°C)
<b>Humidity</b>	15–90% RH non condensing, short periods 5–95% RH non condensing	
<b>Ingress protection</b>	IP54	
<b>Warranty</b>	2 years on sensor, rechargeable battery pack, case and electronics	

<b>Approvals</b>	
Europe	50014/EN, 50020/EN, 500018 EEx ia d IIC T4 -20°C to 50°C
US	UL 913, Class 1, Division 1, Groups A, B, C and D
Canada	CSA 22.2 No. 157, Class 1, Division 1, Groups A, B, C and D
<b>RFI</b>	
Europe	EN 50270 (EN 50081-1/50082-2)
US	47 CFR, Tei 15
<b>Performance</b>	
Europe	IEC 529 IP54 min.
<b>ATEX</b>	
Europe	CE EX II 2G EEx ia d IIC T4 -20°C to 50°C, directive 94/9/CE, CE:EMC/RFI
<b>Safety</b>	
Europe	CE LVD (Low Voltage Directive), EN 61010-1 for chargers and accessories requiring greater than 50 VAC or 75 VDC

Ordering Information	Part Number
TITAN with alkaline battery pack	10033144
TITAN with NiMH battery pack	10033387
TITAN with vibrating NiMH battery pack	10033388
Charger	10031507
Hand aspirator	10020545
Sampling line, 5-foot	710465
Calibration Cap	10031973
Calibration Gas	804532

**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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**Corporate Headquarters**  
P.O. Box 426, Pittsburgh, PA 15230 USA  
Phone 412-967-3000  
[www.MSAnet.com](http://www.MSAnet.com)

**U.S. Customer Service Center**  
Phone 1-800-MSA-2222  
Fax 1-800-967-0398

**MSA Canada**  
Phone 1-800-MSA-2222  
Fax 905-238-4151

**MSA Mexico**  
Phone 52-55 21 22 5770  
Fax 52-55 359 4330

**MSA International**  
Phone 412-967-3354  
Fax 412-967-3451

**Offices and representatives worldwide**  
For further information:

