

# Tankscope® Combustible Gas Indicator **MSA**

Get on board with the Tankscope... MSA's newest portable combustible gas indicator (CGI) that's designed exclusively for use on oil transport vessels.

A unique instrument for a unique application, the Tankscope CGI features a thermal conductivity sensor that detects butane in atmospheres with inert gases—such as oil tanker cargo holds that are blanketed with diesel exhaust. Combustible gas in sampled air “cools” a filament in the sensor, causing an imbalance proportional to its concentration. The Tankscope measures and instantly displays this concentration on an easy-to-read % butane analog meter.

The Tankscope CGI is easy to use, too. Simply flip on the ON/OFF toggle switch, adjust the instrument zero with a single control knob, and squeeze the aspirator bulb to sample the atmosphere. Powered by eight “D” cell zinc-carbon batteries, the Tankscope CGI can operate continuously for over 24 hours.

Built for the most rugged environments, the Tankscope CGI is housed in a high-impact, waterproof case with stainless steel hardware. Its hinged lid lies flat against the back of the case for ready access to controls, and the easy-to-read meter is backlit for low-light environments. Adjustable neck and waist straps provide hands-free operation.



## Features

- Thermal conductivity sensor for detection of combustible gases in inert atmospheres
- High-impact, waterproof case with durable, stainless steel hardware
- Specially designed full-hinged lid for unobstructed access to control panel
- Backlit meter for low light conditions
- Power-saving automatic OFF function when lid is closed
- Adjustable waist and neck straps for hands-free operation

## Advantages

- Designed specifically for shipboard applications
- Easy to use - only one switch and one knob to operate
- Hands-free sampling
- Simple to calibrate
- Easy filament and battery replacement
- Accessories for flexibility in the field

**Get on board with this unique instrument!**

**Tankscope® Combustible Gas Indicator**

## General Specifications

<b>Accuracy:</b>	Factory-calibrated to +4% of full scale on 8% butane in an inert gas of 15% CO <sub>2</sub> and 85% N <sub>2</sub>
<b>Power Supply:</b>	8 carbon-zinc "D" cells
<b>Power Supply Life:</b>	24 hours minimum continuous use with fresh batteries at normal ambient temperature
<b>Range:</b>	0 to 25% butane in inert background gas
<b>Operating Environment:</b>	-4°F to +122°F (-20°C to +50°C) 0 to 90% RH (non-condensing)
<b>Dimensions:</b>	6½ x 7¼ x 4" (16.5 x 18.5 x 10.2 cm)
<b>Weight:</b>	5 lbs. 2 oz (2.3 kg)
<b>Construction:</b>	Plastic case with stainless steel hardware; meter is core magnet type to prevent errors caused by stray magnetic fields.

## Approvals

The MSA Tankscope Combustible Gas Indicator complies with U.L. 913 and is NRTL approved for use in Class I Division 1 Groups A, B, C, D; Division 2 Groups E, F, G; and Division 3.

## Ordering Information

<i>Description</i>	<i>Part No.</i>
Tankscope Combustible Gas Indicator, Model 62T, including carrying straps and batteries	711258

## Accessories and Replacement Parts

<i>Description</i>	<i>Part No.</i>	<i>Description</i>	<i>Part No.</i>
<b>Sampling Lines:</b> Non-absorbent, synthetic rubber sampling lines with couplings.		<b>Line trap assembly:</b> Prevents liquids from being inadvertently drawn into instrument when sampling atmosphere in tanks, sewers or sumps. Liquids are trapped in a removable plastic jar that mounts on case.	74814
Sampling line, 5 feet	11354	<b>Calibration Check Kit:</b> Includes 1.5L/m regulator and adapter hose with sampling line connection.	476609
Sampling line, 10 feet	11955	<b>Calibration Check Gas Cylinder:</b> 8.0% butane in inert background (85% nitrogen, 15% carbon dioxide)	460345
Sampling line, 15 feet	11912	<b>Thermal conductivity filament:</b> (white base)	74730
Sampling line, 25 feet	11913	<b>Batteries:</b> "D" cell carbon-zinc, eight (eight required)	30052
Sampling line, 35 feet	11957	<b>Aspirator bulb:</b> (with check valves)	16839
Sampling line, 50 feet	11958	<b>Instruction manual:</b> Model 62T	711291
<b>Probes:</b> Hollow probe tubes connect to sampling lines to sample hard-to-reach areas such as manholes or barholes.			
Dielectric plastic hollow probe tube, 3 feet	73743		
Dielectric hollow probe tube, 20 inches	11961		
Brass hollow probe tube, 3 feet	486934		
<b>Cotton Filters:</b> For general purpose use in environments containing airborne dust and particulates (pkg. of 6)	16499		

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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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