TRIPLE-C

Grab • Push • Go
Trust in your gas detector

martek™
MARINE
Innovative Ship Solutions

TRIPLE-C

HIGH
LOW
STEL
TWA 36 months

0   0

H2S ppm CO ppm

20.9   0

O2 % LEL %

martek TRIPLE-C

TRUST IN YOUR PORTABLE GAS DETECTOR

The Triple-C rivals all existing portable gas detectors with its cutting-edge infrared sensor technology that ensures more reliability and higher quality than standard catalytic sensors. This advance in technology means no calibration is required. If your company requires calibration, it can be quickly completed using the optional calibration station.

It is the first and only portable gas detector designed with 3 years of battery life and up to 90 seconds of alarm each day, meaning you never need to charge it or worry that the detector is not ready for the job. There's also no need to worry about maintenance or spares replacement again. The Triple-C comes with a lifetime warranty, so you can operate safely in the knowledge that any issues will be resolved quickly and free of charge.

It's the toughest portable gas detector on the planet, capable of operating in any situation. The IP68 rating means it's safe from the finest dust and can even be submerged 1.5m underwater without impacting performance. It will even work in Zone 0 (flammable) environments and a completely inert (oxygen free) environment. Data and accountability is essential in the event of an investigation.

The Triple-C will record data at 1-second intervals as well as the last 25 bump tests over the last 2 months. It's completely customisable – sensor and alarm levels can be adjusted to suit the role required and each device can be digitally assigned to a crew member or department.

ARE YOU READY FOR THE NEXT GENERATION OF PORTABLE GAS DETECTION?

Continuous Data Logging

Completely Customisable

Quickly Bump Test On-Board

One Button Operation

Works In Inert Environments

Infrared LEL Sensors

3 Year Battery - No Charging

WHAT BENEFITS CAN YOU GET FROM USING TRIPLE-C

SLASH TIME AND COSTS SPENT

With the Triple-C, there is no need for extra spares, meaning once you invest in this gas detector, that's all you need to worry about for the next three years.

REDUCE YOUR CARBON FOOTPRINT

As a result no longer needing any extra spares, you will also be reducing your vessels carbon footprint you won't need to ship extra deliveries.

REDUCE HUMAN ERROR

With no need for charging, you no longer have to worry about the risk of human error as well as the Triple-C being completely customisable so anybody onboard your vessel can use it.

NO CHARGING

Designed with 3 years of battery life which includes up to 90 seconds of alarm each day, so you never need to charge the detector.

NO COSTS

This detector requires no maintenance, servicing or sensor replacement.

NO OXYGEN

This detector will even work in completely inert (oxygen free) and Zone 0 (flammable) environments.

NO MAINTENANCE

Unbox and you're good to go. This detector comes with a lifetime warranty.

NO LIMITS

This detector is the most robust and advanced portable gas detector on the planet. With an IP68 rating, it's safe from the finest dust and can even be submerged 1.5 metres underwater for 30 minutes.

NO CONFUSION

This detector is completely customisable, the sensor and alarm levels can be adjusted to suit the role required and each device can be digitally assigned to a crew member or department. Device reminders can be configured to alert the crew when a bump test is required as per company standards.

THE TRIPLE-C IS DESIGNED FOR EASY COMPLIANCE WITH THE FOLLOWING LEGISLATION:

IMO Regulation XI-1/7

Atmosphere testing instrument for enclosed spaces in the International Convention for the Safety of Life at Sea

MSC Resolution A. 1050(27)

'Revised Recommendations for Entering Enclosed Spaces Aboard Ships'

ExxonMobil MESQA 2010 Requirements

TRIPLE-C

TECHNICAL SPECIFICATIONS AND ACCESSORIES

DESCRIPTION	INFORMATION
Docking Station	Portable, chargeable all-in-one docking station in durable carry case for automated 4-detector simultaneous bump testing, calibrating, record keeping and programming
GCT IR Link	Infrared communications device and USB cable used for communications between detector and computer to easily make firmware updates, adjust detector settings and record data
External Dust Filter Kit	External dust filter cap plus 5 filters
External Dust Filter Replacements	10 pack of replacement external filters
Hand Aspirator Kit	1 ft. Sampling Probe, Air Stone Particulate Filter, TRIPLE-C Calibration Cap, 10ft. Sampling Hose and 3 ft. Calibration/Test Hose connected to Hand Aspirator Pump Assembly
Sampling Hose	1/8" ID tubing sold by the foot
Span Gas (58L)	FCG21050 Gas 25ppm H2S, 100ppm CO, 2.5% CH4, 18%O2/N2 (58L)
Regulator	FCG00715 Regulator C10 Valve 0.5LPM fixed flow regulator for manually bump testing or calibrating

SIZE & WEIGHT:	120.65 X 69.85 X 31.75mm (4.75"H x 2.75"W x 1.25"D) | 220.2G (7.675 Oz.)
TEMPERATURE:	-20° to +50°C (-4° to 122°F)
HUMIDITY:	5% TO 95% RH (non-condensing)
BATTERY LIFE:	1095 Days Continuous (Inc. daily bump testing & up to 1.5 min of alarm/day)
ALARMS:	Visual, Vibrating & Audible (minimum 95 dB) Low, High, STEL, TWA & OL (Over Limit)
LEDS:	4 Red Alarm Bar LEDs Yellow Back-Light (activated on button press) Red Back-Light (activated on alarm condition) Yellow Maintenance Notification LED
DISPLAY:	High Viewing Angle Alphanumeric Liquid Crystal Display (LCD)
LOGS:	50 Bump Tests 50 Events 50 Calibrations Continuous 1-second data logging (typical capacity > 2 months)
TESTS:	Full Function Self-Test Upon Activation | Sensors, Battery & Circuitry Tests Run Continuously
IP RATING:	IP68
WARRANTY:	Full 3 years
GASES:	H2S..........................0 - 100 PPM (0.1 increments) CO.............................0 - 500 PPM (1ppm increments) Combustible (LEL)....0 - 100% LEL (0.1% increments) O2.............................0 - 30% vol. (0.1% increments)
SENSOR TYPE:	H2S, CO, O2...............Plug-In Electrochemical Cell | Combustible (LEL)....Soldered Infrared (IR)
CALIBRATION:	Can Be Calibrated If Customer Standard Operating Procedures Require, Dock Required.
CERTIFICATIONS & APPROVALS	**MED 0575** **MER 0097** **CAN/CSA** C22.2 152 **CSA** 16.70084100 | ANS/UL-913 and ANSI/ISA-S12.13 Intrinsically Safe/Securite Intrinseque **CSA:** Class I, Division 1, Group A,B,C, and D Class I, Zone 0, AEx ia IIC T4 Ga | UL 60079-0, UL60079-11 **IECEx:** IECx CSA 16.0038 IEC 60079-0:2011 | IEC 60079-11:2011 | EX ia IIC T4 Ga **ATEX:** Sira 16ATEX2288 CE II G Ex ia IIC T4 Ga | EN 60079-02012/A11:2013 | EN 60079-11:2012
MANUFACTURER LOCATION:	TRIPLE-C is manufactured by Gas Clip Technologies and is assembled In USA.
USER OPTIONS:	Custom User Message, TWA/STEL Intervals, Languages (6), Latching Alarms, Self-Test Lock, Bump Test Interval, Low/High Alarm, Maintenance Notification, TWA Method, Sensor Enable/Disable, SAFE display, Dock Lock, Span Gas Concentration, Calibration Interval, TWA/STEL Alarm, %LEL or % CH4 by-vol.

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Martek Sustainability Statement

We are dedicated to building a sustainable and profitable business while continuing to operate responsibly with honesty, integrity and fairness.

At Martek Marine, we are committed to establishing high ethical standards of behaviour and effective corporate governance. This defines our strategic and financial objectives. Corporate responsibility remains central to delivering our strategy and achieving our success.

We are committed to conducting business in an environmentally responsible manner. We are putting in place processes to understand and address our responsibilities in respect of our operational impacts on the environment.

We aim to reduce the use of replacement parts and calibration to help overcome waste and excessive carbon emission.

Pioneering sustainable and innovative solutions for ship safety, performance and crew welfare.