

PORTAMARINE®
NSN 6680-99-192-2735

LCD

Introducing

PORTAMARINE®

Portable ultrasonic LIQUID LEVEL
INDICATOR

COLTRACO
Ultrasonics | since 1987

www.coltraco.co.uk

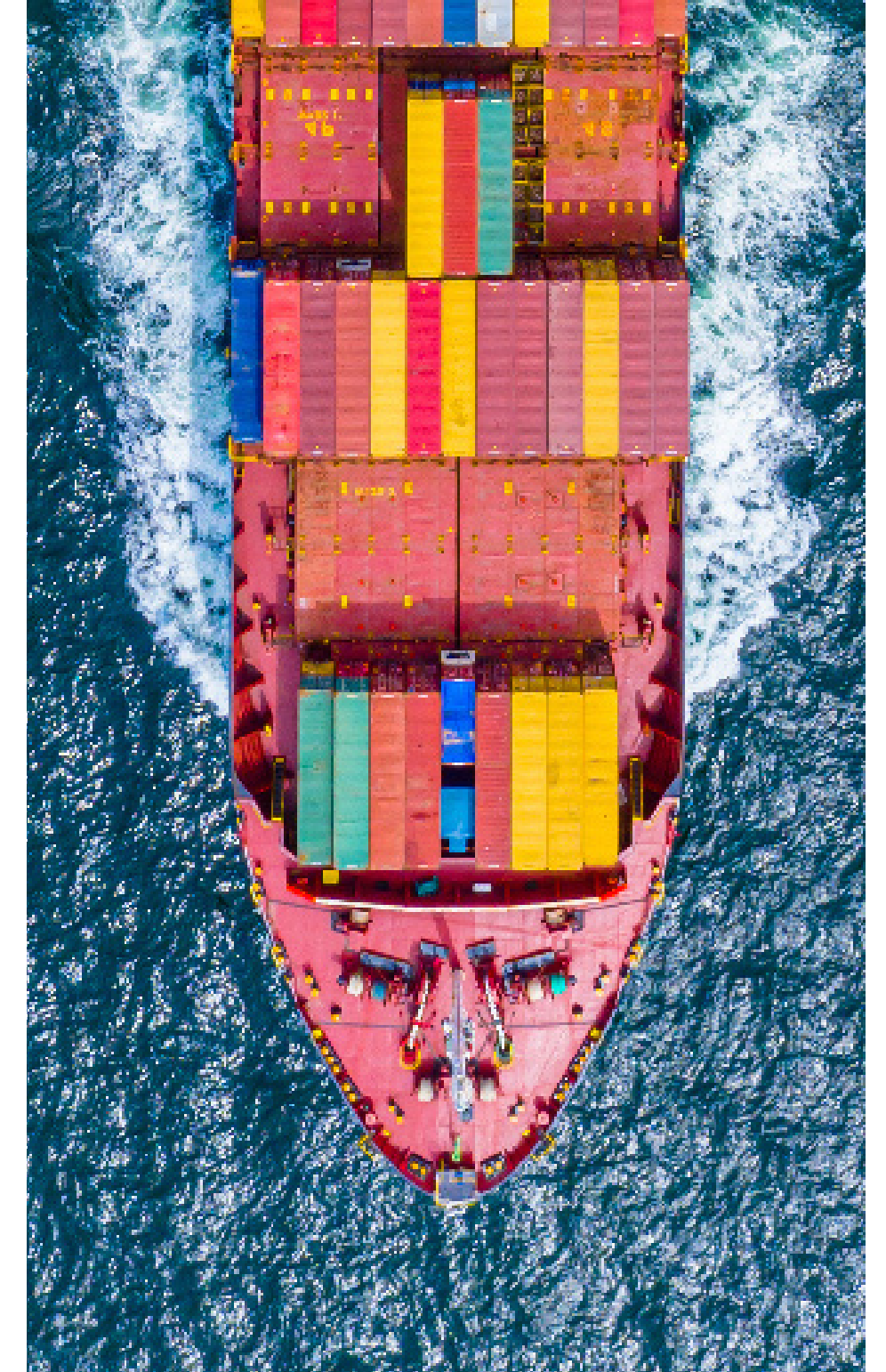
ON OFF

CAREFULLY

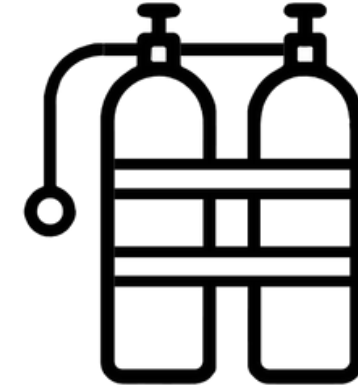
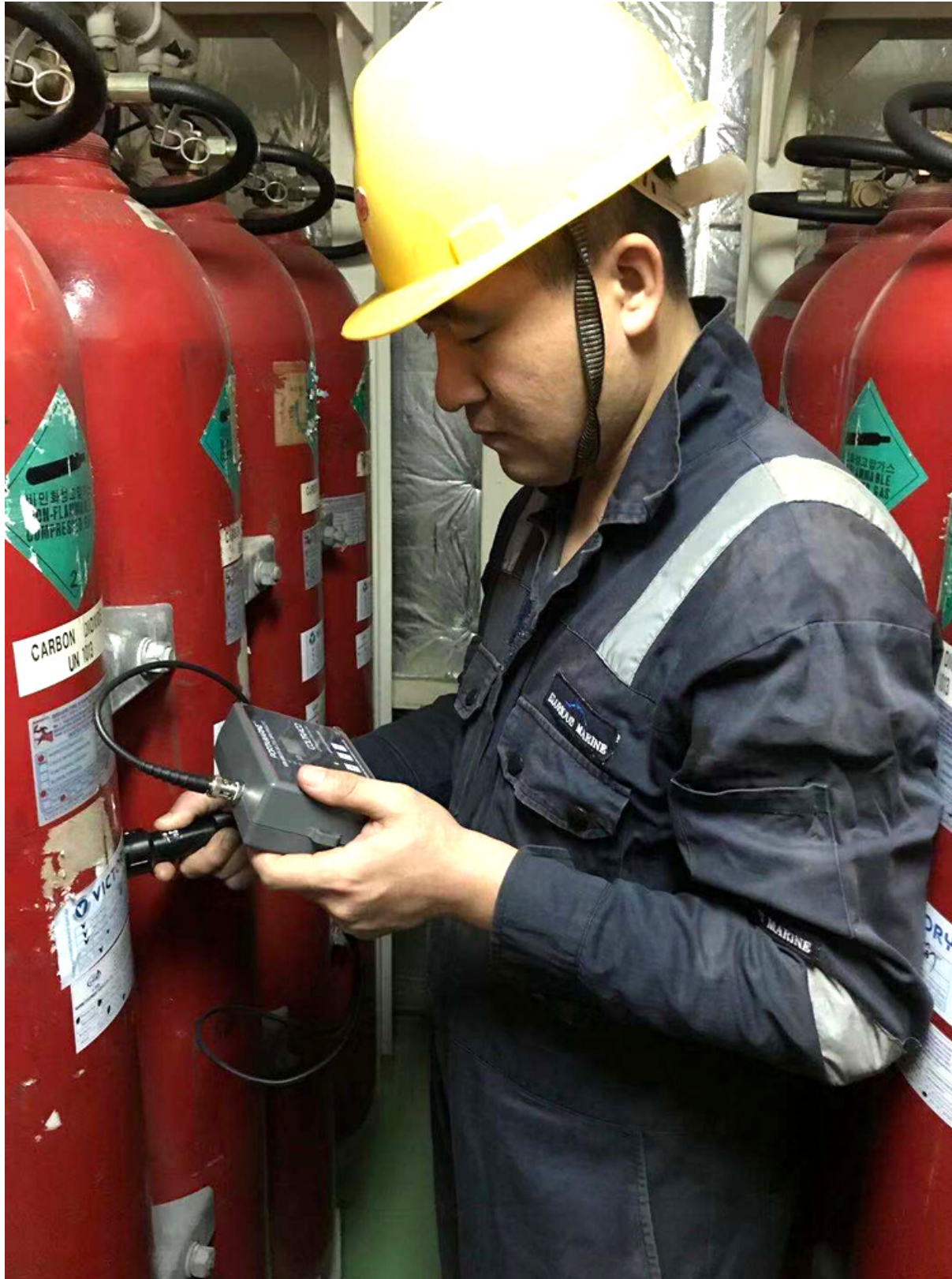
Introducing the Portamarine®

The Portamarine® is a marine unit designed for shipboard use and serving the shipping industry and offshore worldwide. It is the reliable, cost effective seventh generation portable ultrasonic liquid level indicator range by Coltraco Ultrasonics.

- **Type** – Portable Ultrasonic Liquid Level Indicator
- **Function** – Ideal for handsfree testing cylinder contents of ship's CO2 and clean agent fixed fire suppression systems
- **Part Number** – 2290334-COPM
- **NSN** - 6680-99-192-2735
- **IMPA Part Number** - p/n 652777



TEST YOUR MARINE CO2 FIRE SYSTEM



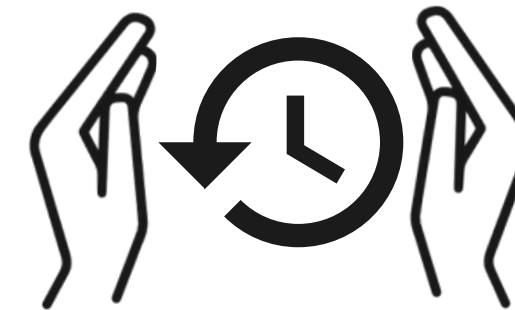
SAFER
no need to
disconnect the
cylinders from the
manifold



CHEAPER
cut servicing
costs by up to
50% against
manual weighing



ACCEPTED
RINA Accepted,
IMO SOLAS FSS
compliant, MED
compliant



QUICKER
hands-free
operation and
rod for banked
cylinders

Advantages: protect crew, cargo & vessel

1.

Easy to Use

suitable for all crew

2.

Accurate

to +/- 1.5 mm
to the true liquid level

3.

Durable & Versatile

robust, lightweight

4.

Handsfree D loops

Simply attach a strap



5.

Saves Time & Labour compared to weighing

2 people weighing = 15 mins
1 person Portalevel® = 60 secs

6.

Proven Technology

'tried and tested'

7.

Minimise Personnel Risk

test in situ so no moving
of heavy cylinders

8.

Improve Vessel Safety

no downtime



IDEAL: shipowner, shipmanager, marine surveyor, classification society surveyor, marine servicing company, offshore oil and gas fire safety manager, offshore wind turbine fire safety manager, naval safety & survivability or naval damage control.

CHEAPER: save 50% on each inspection. "For 220 cylinders of a cape size vessel, Weighing by scale would be USD800 or so more than using liquid level indicator in marine market" – Quoted from a Marine Surveyor.

QUICKER: test each cylinder in just 60 seconds without needing to weigh cylinders. Hang around neck for working in the cramped conditions and easily inspect 2, 3 or 4 rows of multi-banked cylinders with an extension rod.

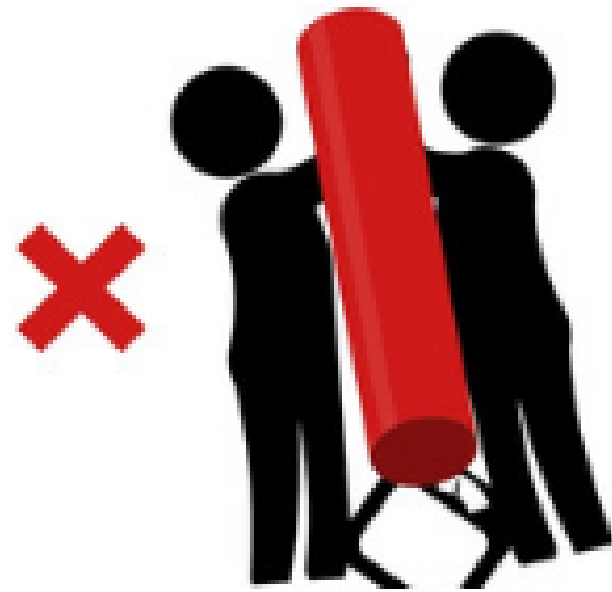
REGULATION COMPLIANCE IMO SOLAS FSS Code Chapter 5 2.1.1.3: *"Means shall be provided for the crew to safely check the quantity of the fire-extinguishing medium in the containers. It shall not be necessary to move the containers completely from their fixing position for this purpose. For carbon dioxide systems, hanging bars for a weighing device above each bottle row, or other means shall be provided. For other types of extinguishing media, suitable surface indicators may be used."*

Stop weighing - Test in 60 seconds

2 people

15 minutes

risk*



1 person

60 seconds

safe*



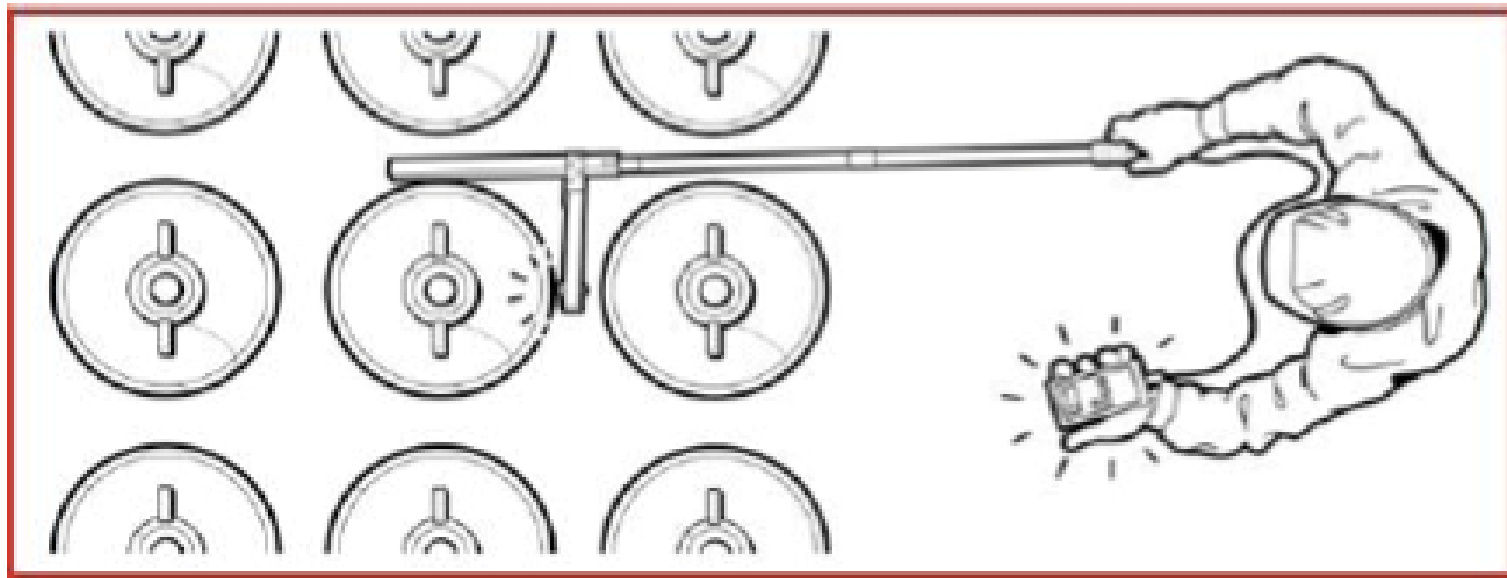
TIME TO IMPROVE FIRE SAFETY.

TIME TO STOP WEIGHING.

TIME TO SAVE TIME & COST.

HOW TO TEST IN 60 SECONDS: 4 SIMPLE STEPS

1. Connect unit and sensor & Press "On"
2. Spray water or put a strip of gel on the cylinder and place sensor near the top of the cylinder
3. Move sensor down in steps of 5cm to the region with highest readings & press CAL to get a full bar graph
4. Move sensor in steps of 5cm or less until the LED graph disappears. This is your level



Example of extension rod being used



Watch videos on our free YouTube channel: search Coltraco Videos
youtube.com/user/coltracoultrasonics

And specific demonstration video: youtu.be/CBmZLDHi1YI



Why fire safety is important *[3 minute read]*



" A S H I P I S H E R O W N F I R E B R I G A D E A T S E A "

According to Lloyds List, almost 10% of all total losses at sea in the last decade were caused by a fire on board. Safety isn't something you have, it's something you do," said NTSB Chairman Robert Sumwalt. When lives are at stake, a lack of fire systems and maintenance of them is unacceptable.

What protects passengers from fire? A ship's gaseous extinguishing system typically comprises between 200 and 600 cylinders each containing 45KG of CO2 under high 720 psi/ 49 bar pressure. (Other suppressant clean agents such as FM-200® and Novec™1230 are becoming more widely used.)

How are we failing to protect passengers with these gaseous extinguishing systems? Because gaseous extinguishing systems are highly pressurised, the risk of leaking and discharging is accepted as part of their use and this is shown in the regulations that demand their upkeep. IMO SOLAS & FSS Code Chapter 2.1.1.3 – "Means shall be provided for the crew to safely check the quantity of the fire extinguishing medium in the containers." Some marine service companies estimate that 20% of a ship's CO2 cylinders have discharged or partially leaked their contents at some point in their lifetime also know that occasionally marine "servicing companies" unintentionally leave it disabled.

What is the solution? The crew must take responsibility for its own fire protection. Using an ultrasonic liquid level indicator is the only way that the crew can safely test their CO2 without disturbing them.

We designed the Portamarine® ultrasonic liquid level indicator, as radioactive units were being phased out. If shipping companies implemented the IMO SOLAS FSS codes by testing safely and quickly (just 60 seconds per cylinder) by using liquid level indicators and marine servicing companies were able to do their work without allowing for time pressures, then vessels would be far safer.

STAY COMPLIANT WITH REGULATIONS

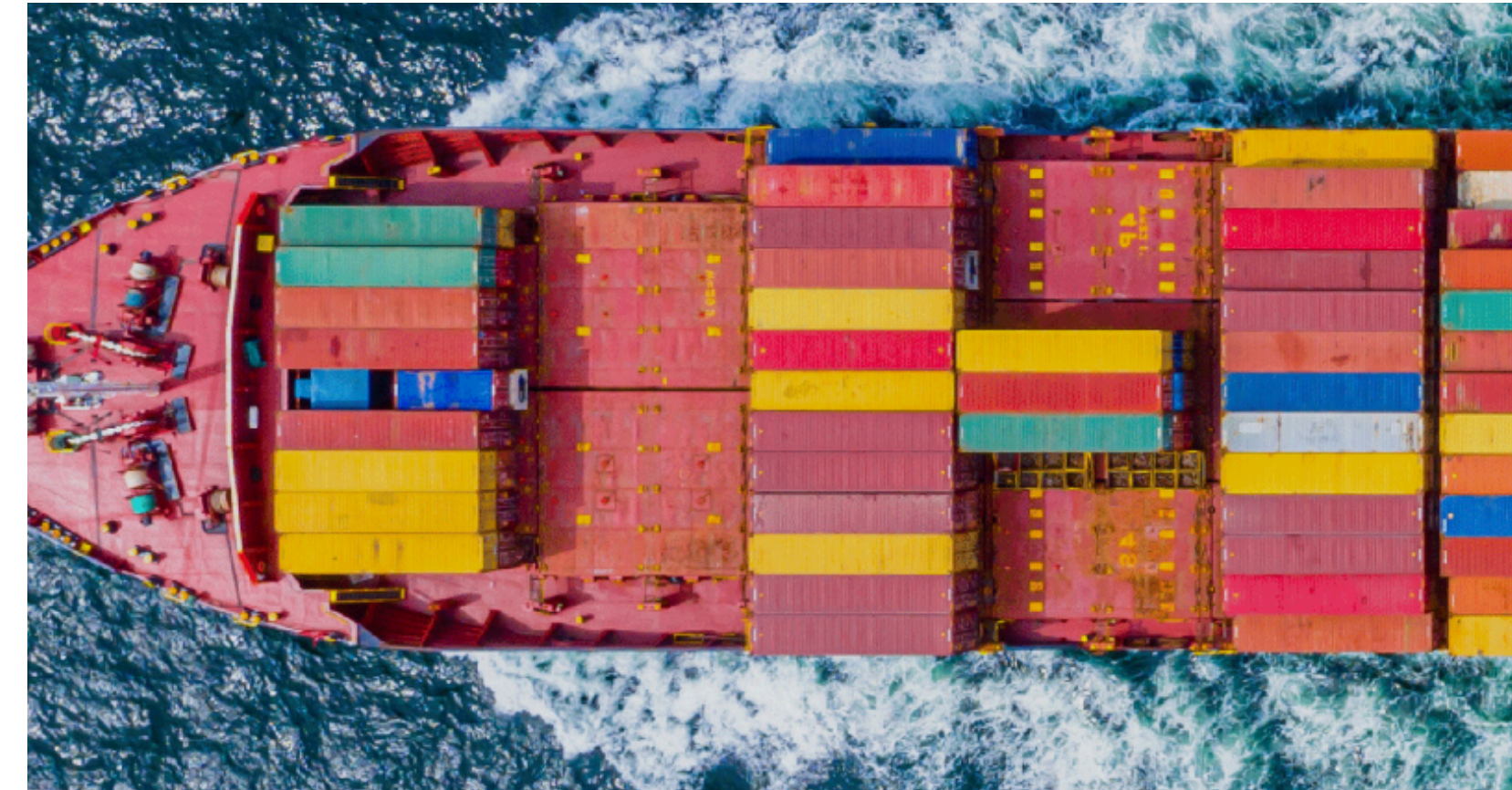


DELIVER BETTER FIRE SAFETY ONBOARD

IMO SOLAS & FSS Code Chapter 2.1.1.3

"Means shall be provided for the crew to safely check the quantity of the fire extinguishing medium in the containers."

The crew are not qualified to dismantle the fire system to weigh the cylinders. So having a quick and easy to use ABS Type Approved ultrasonic liquid level indicator is the only accurate and efficient way of delivering better fire safety onboard, and protecting the crew.



CASE STUDY:

Using a Portalevel® saves 60% of the time required to manually dismantle and weigh a cylinder. A standard rate for weighing 200 cylinders would be \$2170. With the use of ultrasonic instrumentation, quotes are approximately USD1085. **This saves USD900 per test.** In just 4 uses of the Portalevel®, the unit pays for itself and begins making you profit and cutting your cost. 5 inspections a month saves \$5425 a month or \$65100 a year.

OUR CUSTOMER CARE COMMITMENT

Global Support

You can receive worldwide support through our network of Global Partners, Distributors, and Service Centres (ODA's).

More than 110 Exclusive local distributors, in over 70 countries.

Service Stations at Strategic ports worldwide including:

- Europe - UK, Turkey
- Middle East - UAE
- Asia - India, Singapore
- Australia
- USA - Florida
- Central America - Trinidad
- South America - Brazil



Coltraco®, Coltraco North America®, Portamarine®, Portalevel®, Permalevel®, Portagauge®, Portasonic®, Portamonitor®, Portasteele®, Portascanner®, Permascanner®, Safesite®, Safeship® are trademarks or registered trademarks of Coltraco Limited, UK. DuPont™, FM-200®, FE-25™, FE-13™, and FE-241™ are trademarks or registered trademarks of E.I. du Pont de Nemours and Company and its affiliates. Novec™ 1230 is a trademark owned by 3M.



With every Coltraco purchase you receive FREE Lifetime Technical Support in addition to your 3 year warranty on the main unit and 1 year on the sensor.

