COLTRACO Ultrasonics | since 1987

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

Introducing

PORTASCANNER® WATERTIGHT

Handheld Ultrasonic Watertight Integrity Tester for hatchcovers, doors and cable transits



CALL +44 207 629 8475 | SALES@COLTRACO.CO.UK | COLTRACO.COM/PRODUCT/PORTASCANNER-WATERTIGHT/

Portascanner® WATERTIGHT is the world-leading fully ABS Type Approved & RINA Accepted watertight Integrity Tester for inspecting watertight and weathertight seals on ships and marine structures such as warships and offshore oil & gas platforms.



Part Number – 509004-0311
NATO Stock Number – 6625-99-257-8336
IMPA – 652778

Function: To test the integrity of sealed compartments; watertight/weathertight doors, hatch-covers and multiple cable transit areas with unique dual decibel and linear readings accurate to 0.06mm +/- 0.02mm.



CUSTOMER TESTIMONIAL

"The fleet was equipped with a unit per Bulk Carrier and the units are working well, providing the confidence that there will be no problems with water damage claims."

Safety at Sea
AWARDS 2019
IHS Markit

WIDE ARRAY OF APPLICATIONS

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KEY BENEFITS OF THE PORTASCANNER® WATERTIGHT

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UNBEATEN ACCURACY

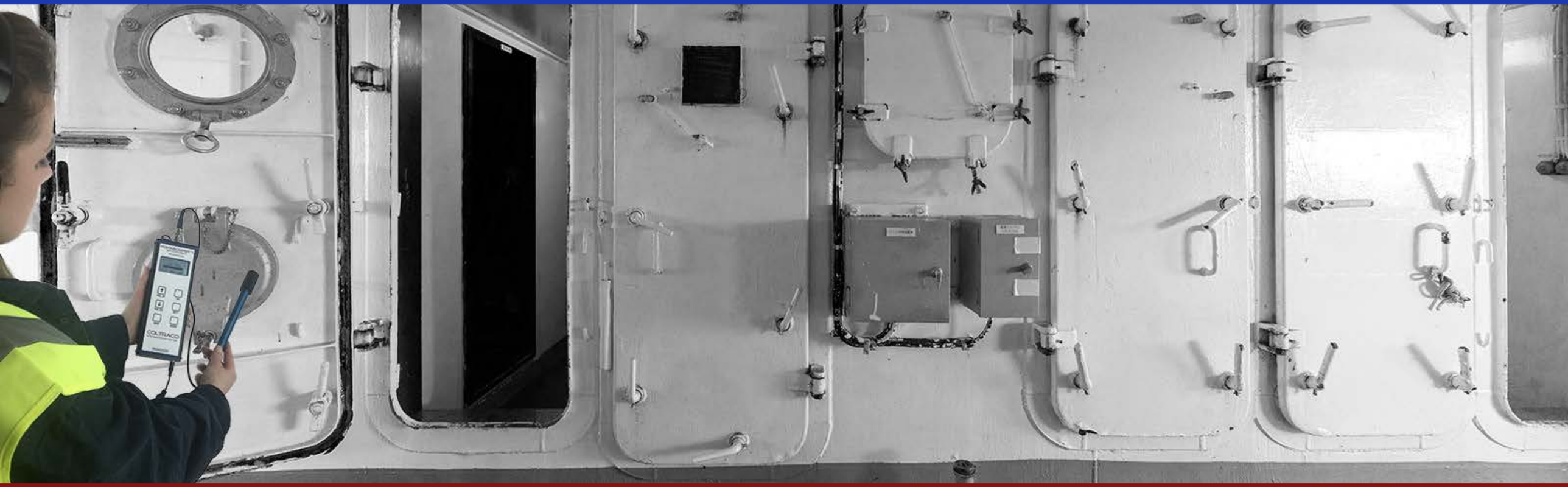
Most mathematically advanced unit in the world, pinpoints leaks to 0.06mm (+/- 0.02mm) with dB output

EASY TO USE

Suitable for any operator with free training; no need for time consuming, expensive courses

POWERFUL & MULTI-USE

Applications range from hatch-covers, watertight doors and multiple cable transit areas



ADVANTAGES VS. OTHER WATERTIGHT TESTING METHODS

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PRECISE
Detect leaks as small as 0.06mm with dual readings in decibel and linear

GREEN Technology
A clean method of testing that does not violate any environmental codes, unlike hose testing



REDUCE RISK
Non-invasive, & non-intrusive technology. Pinpoint the exact leak locations and their extent in order to perform corrective actions to reduce risk of water ingress



COMPLIANT
Readings provided in dB for regulation compliance or mathematical linear for ease of use

APPROVALS
Full ABS Type Approval & RINA Class Accepted



AWARD FINALIST
IHS Markit Safety Product of the Year nominated.



HOW TO TEST:

3 SIMPLE STEPS

Figure 1. Watertight Compartment

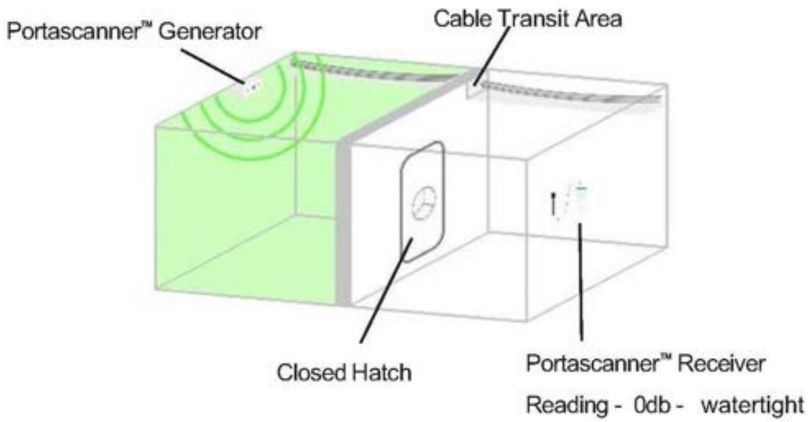
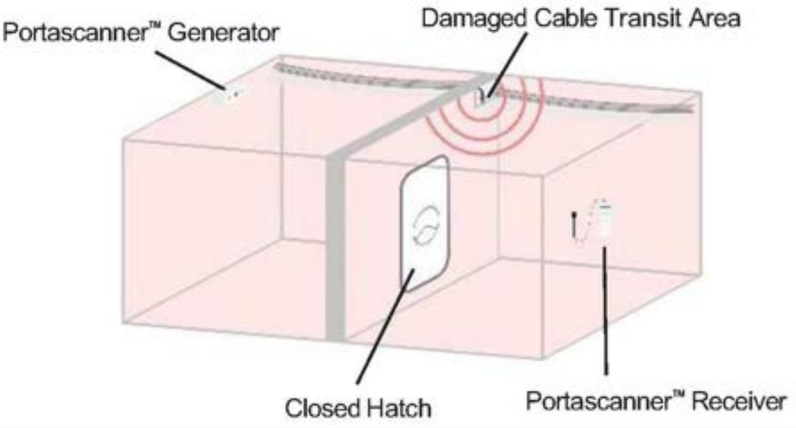


Figure 2. Non-compliant Compartment



1. **Connect** Rod and Headphones to Receiver. Switch Generator "on" and place into the compartment to be tested. Obtain Open Hatch Value OHV (for hatch cover).
2. **Close** compartment. Point the sensor to the area of interest.
3. **Move** sensor around the seal. Where signal is strongest, that is your leak site.



RESULTS

OPTION 1: decibel (dB)

- 0 dB = watertight seal
- 1 dB - 26 dB = weathertight seal
- 27+ dB = weak seal compression
- high values = full leak site

OPTION 2: Linear/ numerical

- 0 - 5 = watertight seal
- 6 - 100 = weathertight seal
- 101+ = weak seal compression
- For hatch cover: above 10% OHV = leak site
- high values = full leak site

REGULATION COMPLIANCE

DELIVER BETTER FIRE SAFETY ONBOARD

SOLAS Reg II-1/11.1

“Where a hose test is not practicable [sic] it may be replaced by [sic] an ultrasonic leak test or an equivalent test. In any case a thorough inspection of the watertight bulkheads shall be carried out.”

IMO SOLAS Reg II-1/21.3

“The watertight doors and all mechanisms and indicators connected therewith[sic] shall be periodically inspected at sea at least once a week.”

IMO SOLAS Reg II-1/13-1.1

“Where penetrations of watertight bulkheads and internal decks are necessary for access, piping, ventilation, electrical cables, etc., arrangements are to be made to maintain the watertight integrity.”

IACS Rules - Requirements for Ultrasonic Watertight Integrity Service Providers

"2. Firms engaged in tightness testing of closing appliances such as hatches, doors etc. with ultrasonic equipment."



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TECHNICAL SPECIFICATIONS

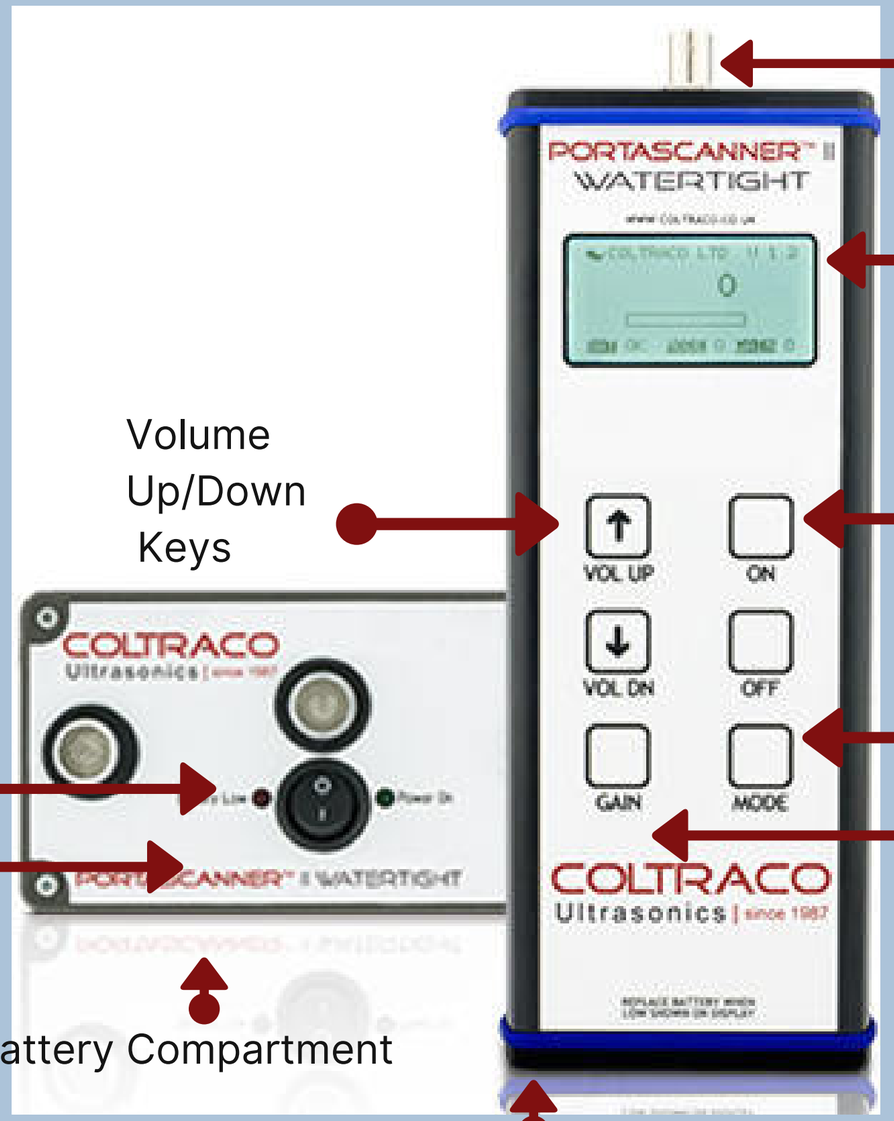
DIMENSIONS	Main Unit: (H)215mm x(W)82mm x(D)30mm Main Unit: 420 grams
ACCURACY	0.06mm +- 0.02mm
ROD	310mm x 25mm Diameter, Connected by BNC connector to 1m length co-ax cable
PACKAGE CONTENTS	• 1 Portascanner® WATERTIGHT Receiver • 1 Ultrasonic Generator • 1 Receiver • 1 Headphones • 1 Durable Carrying Case • Calibration Certificate
RECEIVER READINGS	Visual (via LCD display and graph) and audible (via external headphones) Results shown in decibel (dB) and linear
OPERATING TEMPERATURE	-20°C to +70°C (68°F to 158°F)
DISPLAY	Membrane control operated, LCD back-lit Display measuring 55 x 28 mm
POWER	**Generator :** 2 x PP3 9V battery (battery life 12 hours continuous use) **Receiver:** 1 x PP3 9V battery with low battery indication (battery life 10 hours)
WARRANTY	Main Unit: 3 Years Warranty Rod: 1 Year Warranty
APPROVALS	Full ABS Type Approval Classification Society Accepted- RINA CE ExVeritas ISO 9001
CERTIFICATE	Manufactured in England with ISO 14001 and ISO 9001:2015 registered company

PACKAGE

Portascanner® WATERTIGHT is delivered in a package with everything required to carry out testing.

Also included but not pictured:

- Sensor Wand with Aluminium Rod sections
- Headphones
- Carrying Case
- User Manual
- Calibration Certificate



OUR CUSTOMER CARE COMMITMENT

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

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 worldwide.

10 ODAs:

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



*Accurate as of May 2021

When purchasing a Coltraco product you receive FREE Lifetime Technical Support in addition to a 3 year warranty on the main unit and 1 year on the sensor.



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