



INTRODUCING PORTASCANNER®

Ultrasonic Leak Detector for Room
Integrity Testing

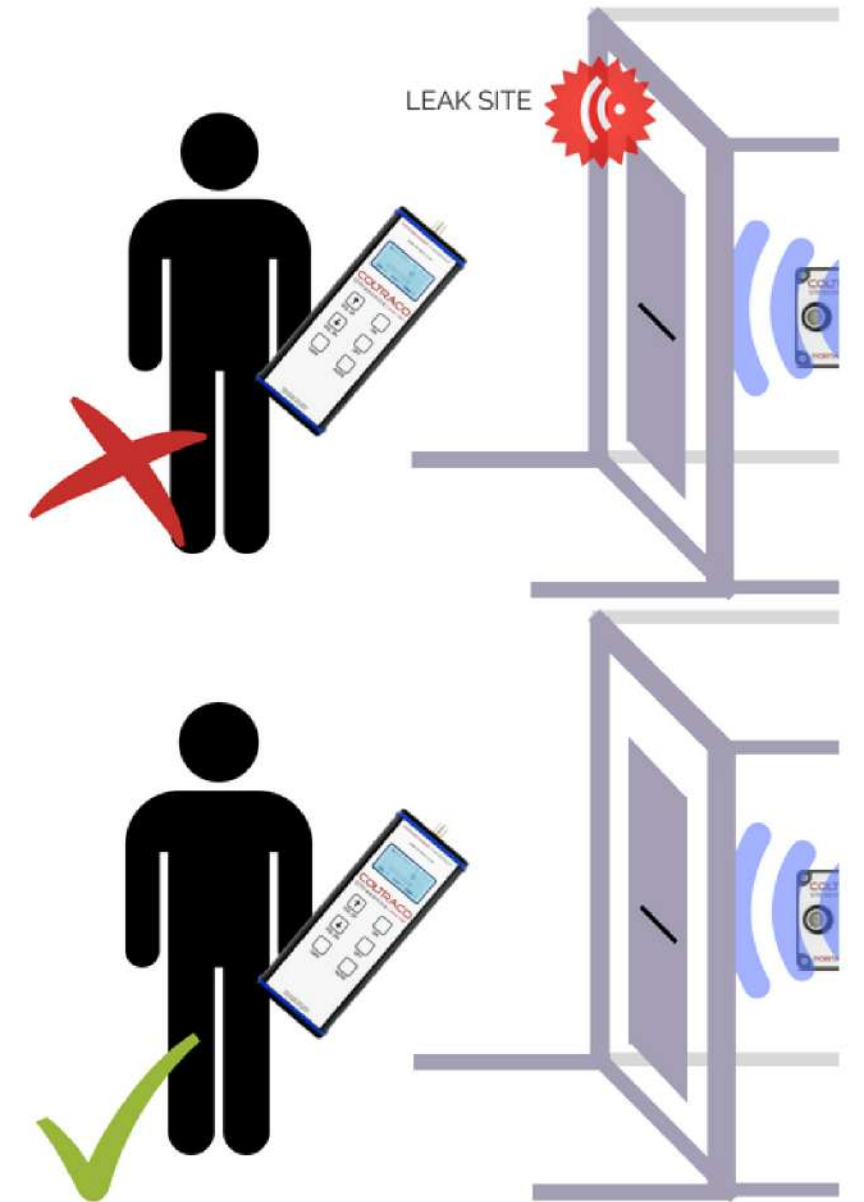


INTRODUCING THE PORTASCANNER®



Portascanner® is an ultrasonic room integrity testing tool, allowing you to locate even minor leak sites quickly, easily, and non-destructively. The perfect tool for ensuring and maintaining airtight integrity.

- **Type** – Ultrasonic Room Integrity Tester
- **Function** – To test the airtightness of sealed compartments/rooms
- **Part Number** – 509004-0311
- **NSN** – 6625-99-257-8336
- **IMPA** – 652778
- **Application** – Used for detecting leaks in Energy Efficient Buildings, Construction, Passive House, Computer Rooms, Telecommunication Centres, Data Centres, Laboratories, Clean Rooms, Control Rooms, Manufacturing, Robotics, Storage



CUSTOMER TESTIMONIAL

**"WE ARE FINDING THE PORTASCANNER® EXTREMELY USEFUL AND TIME SAVING IN FINDING LEAKAGE DURING ROOM INTEGRITY TESTING. THE UNIT IS A BIT MORE CONVENIENT THAN USING SMOKE MACHINES TO DETERMINE LEAKS."
- NICK, FIRE & SECURITY TECHNIQUES, SOUTH AFRICA, 2019**

ADVANTAGES OF THE PORTASCANNER®



PRECISE

Detect leaks as small as 0.06mm

QUICK & EFFICIENT

Easily locates leak sites in your room or compartment in just minutes

RESULT OUTPUTS

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



LIGHTWEIGHT

Handheld and portable. Generator is less than 500 grams

SIMPLE

Easy to use by all: testing for airtightness: servicing and architects

BATTERY

12 hours' continuous battery life

WHEN TO USE PORTASCANNER®



PRE - DOOR FAN TEST:

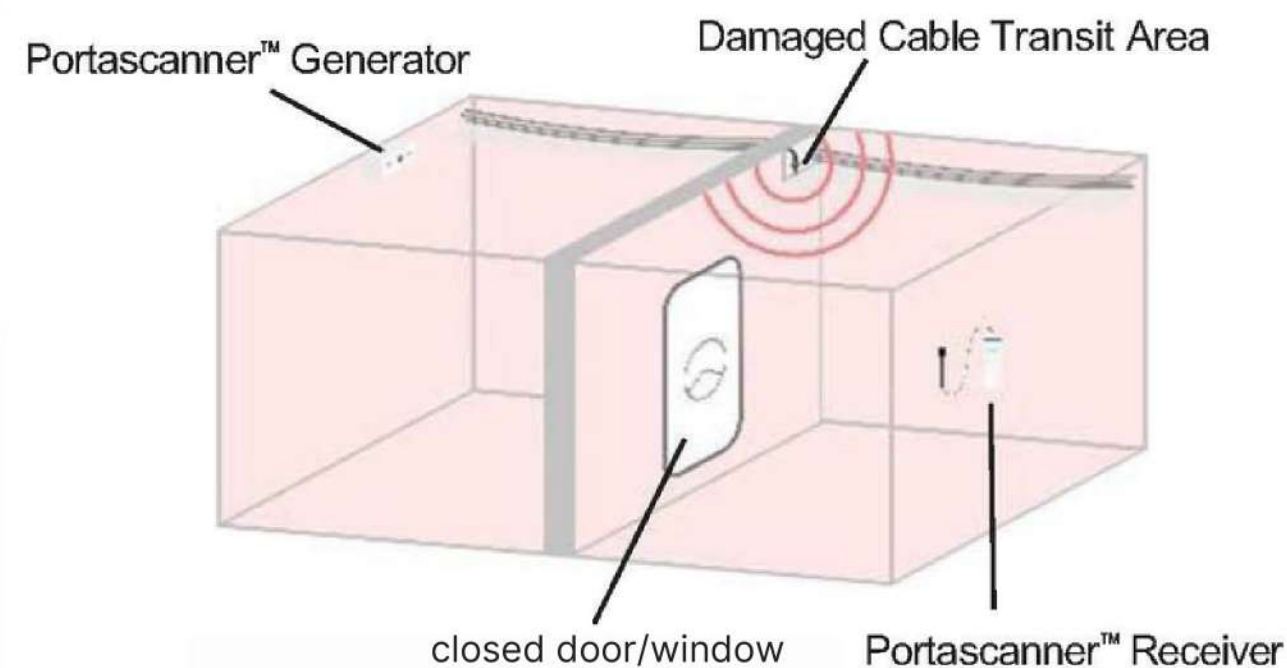
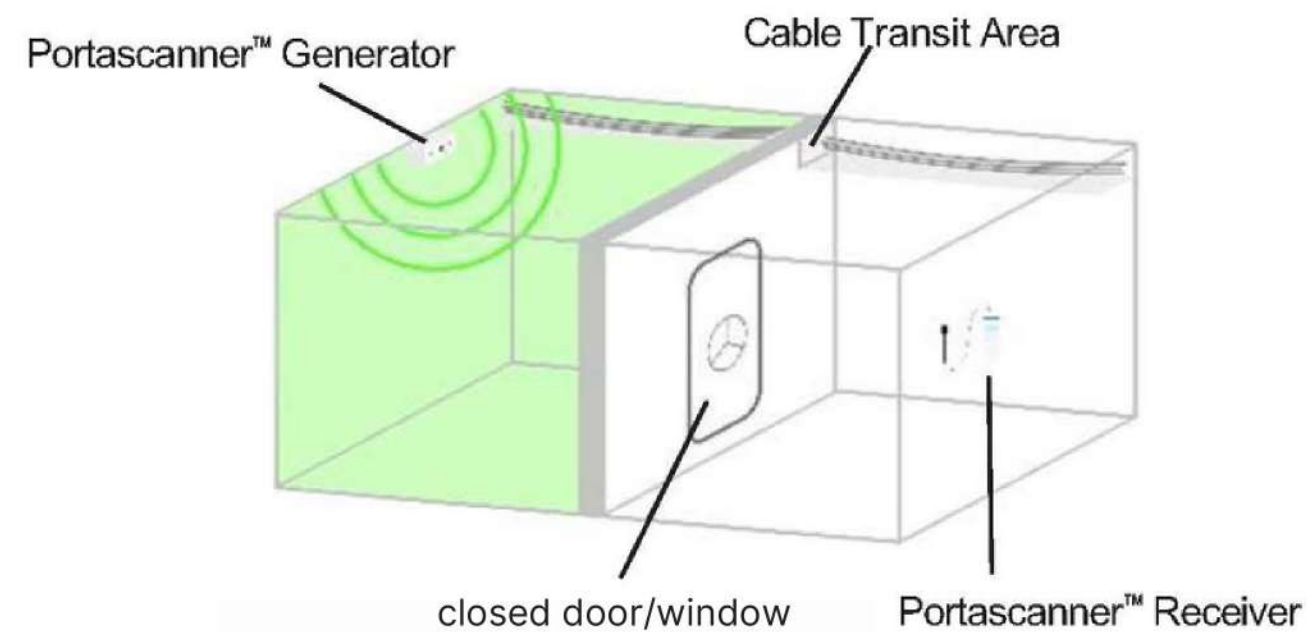
- Identify and remedy leak sites pre DFT
- Provide more accurate service quotes - know exactly the extent of remedial work to pass the DFT
- add to range of services you can offer/enhancing your professional range

DURING INTEGRITY TEST:

- exact leak location

POST COMPARTMENTATION SURVEY:

- regulation compliance
- no disruption



PERFECT COMPLEMENTARY DIAGNOSTIC TOOL:

Pass the Door Fan Test and Pulse Test first time with simple airtight leakage identification, utilising ultrasonic technology which does not require that the structure being tested is pressurised. This ensures that airtightness standards are met, and eliminates the cost and disruption associated with repeating the pressure test.

APPLICATIONS

ENERGY EFFICIENCY

Energy efficient mechanical ventilation and effective air filtration must start with an airtight building, and controlled airflow within it.

Portascanner®

- detects/locates unwanted air leaks,
- integrated alongside existing airtightness testing equipment.
- ensures the success of building ventilation strategies.

INFECTION CONTROL, COVID19

Monitor leakage in sterilised environments where airtightness must be maintained and detect and seal leaks to avoid compromising negatively or positively pressurised environments.

Portascanner®

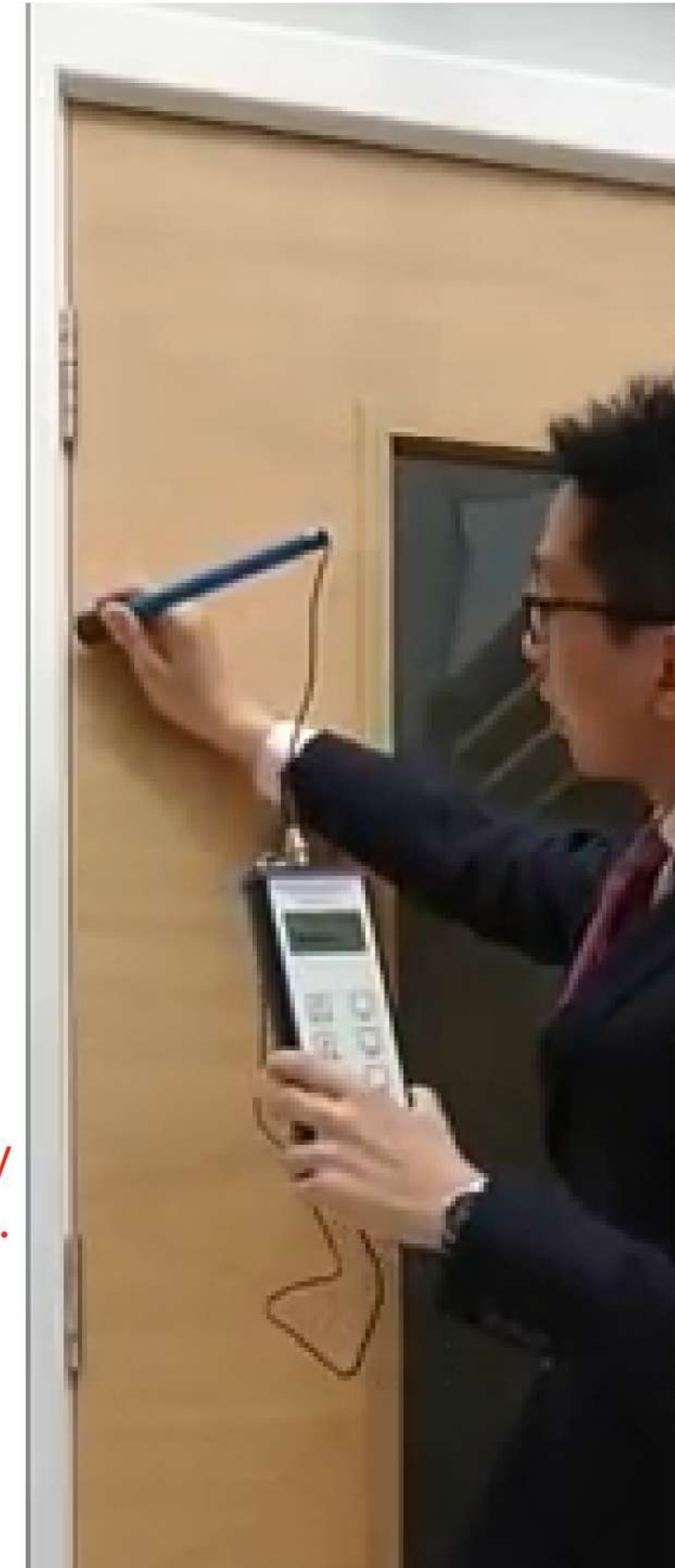
- locate leaks in hospital wards, cleanrooms, and sterilisation departments
- easy to use for both healthcare/pharmaceutical and service personnel

COMPARTMENTATION

Compartmentation, with fire stopping in walls and floors, is used to slow the spread of fire. Room integrity testing ensures that a room is sufficiently sealed, to hold in the gaseous extinguishing agent on actuation.

Portascanner®

- locates air leaks in a room or compartment
- ensuring enclosures are sealed effectively as specified in fire safety standards such as NFPA 2001.
- ensure you pass the Door Fan Test or the PULSE first time,
- reducing costs.



Portascanner® is a simple low-cost tool to help identify leak sites. If you want more...

Look at our **Portascanner® Airtight!!!**

The “**World First**” which does so much more, including calculating overall air permeability:

- **Identify** leak sites
- **Measure** and quantify them
- **Generate** a value for the air flow rate through each leak
- **Calculate** the building or room’s overall air permeability.
- **Store** photographic and quantitative data from inspections
- **Generate** traceable, exportable reports.




ADVANTAGES OF THE PORTASCANNER® AIRTIGHT:

- **MEASURABLE:** Know where your leaks are and their significance – identify which leaks are the largest contributors to airflow and make informed decisions about which need to be sealed.
- **EVIDENCE BASED:** Provide evidence of your maintenance programme – locate, quantify and record leaks as well as photograph and export a test report all in one hand-held instrument.
- **ACCURATE:** Determine air leakage rates through walls, doors, floors, ceilings, windows, and seals. Detect leaks as small as 0.5mm and below. Quantify leak areas to within 10%.
- **RESULTS-BASED:** Calculate number of leaks, leak area, total air flow rate and air permeability rate.
- **FAST & EASY:** Quicker, cheaper, and easier than alternatives, thereby improving efficiency and quality of airtight room maintenance.



ABOUT COLTRACO ULTRASONICS


 **Led by our Chairman**, Dr Carl Hunter OBE, founder of Coltraco Ultrasonics.

Headquartered in **London**, we are a British high-exporting advanced manufacturer.

Operating in **120 countries**, with Distributors in **80 countries**.

Our technologies are used across a diverse array of **25 Market Sectors**, from shipping to safety engineering, from process control to mining, from offshore energy to renewables, from healthcare to the built environment, naval and space.

Proud winners of the Queen's Award for Enterprise in International Trade, in both 2019 and 2022.

 Our organisation comprises of Manufacturing, Scientific, Research and Technological Development & Solutions:

- Our **Company**: COLTRACO ULTRASONICS
- Our **Laboratory**, co-located with the Centre for Advanced Instrumentation, part of the Department of Physics, Durham University
- Our **Research Organisations**, the Durham Institute of Research, Development & Invention (DIRDI)
- Our **Centre for Underwater Acoustic Analysis** (CUAA)

"To see the sounds that others cannot hear"

"To measure the hitherto unmeasurable"



Delivering **Safesite™** on land in areas such as the airtightness of a building, data centre or ICU Hospital Ward and

Safeship™ at sea in the watertight integrity of a ship or offshore platform or the monitoring of the gaseous extinguishing system contents that protect them against fire.

BY BEING SCIENCE-LED:



We identify and nurture brilliant minds, creating a unique research environment at Durham University, a globally outstanding centre of teaching and research excellence.



In our research at DIRDI, we undertake fundamental research into the physical laws of the universe, alongside applied research in Physics, Mathematics, Engineering and Computer Science in acoustics, electromagnetism and information engineering.



It is our research and manufacturing excellence and our enduring commitment to the "through-life" sustainment of our technologies by aerospace standards of Maintenance, Repair, Overhaul, Calibration & Certification.



We deliver genuine value for our customers through our scientific and institutional values, and the global quality of our instrumentation, commercial and technical services.

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 150 Exclusive local distributors, in over 80 countries.

Service Stations worldwide including:

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



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.



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