COLTRACO
Ultrasonics | since 1987

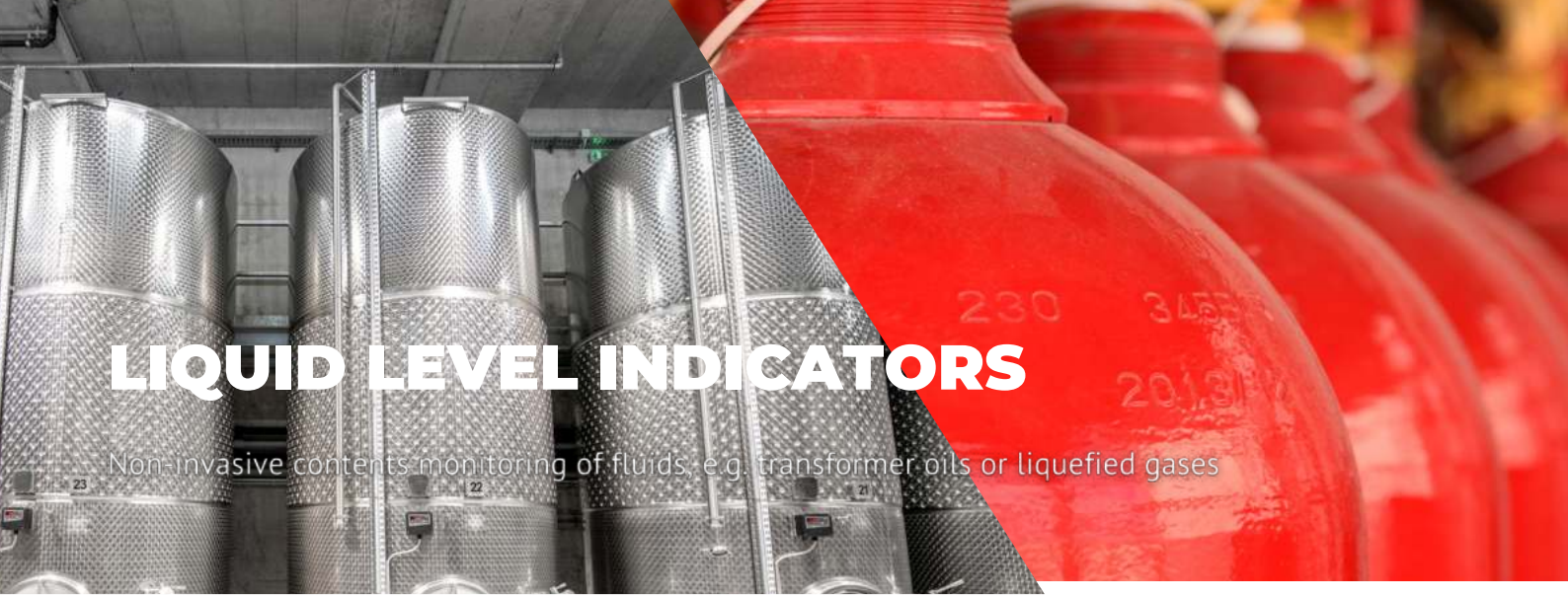


COLTRACO ULTRASONICS

Full Range - June 2025

Made in the UK.

CALL +44 207 629 8475 | SALES@COLTRACO.CO.UK |
WWW.COLTRACO.COM



LIQUID LEVEL INDICATORS

Non-invasive contents monitoring of fluids, e.g. transformer oils or liquefied gases



PORTALEVEL® MAX PLUS

FLAGSHIP for FIRE CYLINDERS!

Choose ultrasonics to inspect gaseous fire suppression systems contents in 30 secs. Inspects liquid level of CO2, FM-200®, NOVEC™1230, Halon, etc contents to comply with NFPA, ISO 14520, & IMO SOLAS FSS.



PORTALEVEL® IS

choose me for HARZADOUS ENVIRONMENTS!

With EX-Rating, it is designed for non-invasively monitoring the contents of fire suppression systems in hazardous, explosive environments, Ideal tool for testing cylinder contents in ATEX Zone 1 classified areas.



PORTALEVEL® LITE

choose me for BUDGET!

Affordable handheld liquid level indicator designed for quick and easy inspection of fire suppression system cylinders. Ideal for routine maintenance and safety compliance, offering reliable, non-invasive measurements across a wide range of suppression agents, including CO_2, FM-200®, and NOVEC™ 1230.



PORTALEVEL® MAX MARINE PLUS

FLAGSHIP MARINE!

With **ABS Type Approval** for marine applications in level monitoring, it is the idea precision Liquid Level Indication in Marine Environments



PORTAMARINE®

choose me for BUDGET, MARINE!

A low-cost, portable, and battery powered liquid level indicator designed to non-invasively, accurately, and reliably measure the level of fire suppression agent contained within a cylinder to ±1.5mm.



PORTAPIPE®

choose me for PIPE LEVELS!

Portable and battery powered liquid level indicator designed to non-invasively, measure the level of liquid within a pipe. Applied to both vertical and horizontal pipes from 25mm to 330mm in diameter.



PORTALEVEL® ADVANCED

choose me for PRECISION!

Industry leading liquid level indicator delivering fast, accurate and non-invasive measurements of fire suppression system cylinders. Built for high-performance applications, it ensures precise agent level monitoring across CO_2, FM-200®, NOVEC™ 1230, and many other suppression systems.



PORTATANK®

choose me for LARGE TANKS!

Suitable for application on vessels from 0.5m to 15m in diameter and can reliably detect the level of most clean liquids in metal, plastic, or glass vessels. Commonly used to detect oil levels in transformers.



PORTASTEELE® CALCULATOR

PROVIDES TRACEABILITY!

Convert your measured liquid level to an agent weight, precisely and accurately. These readings can then be saved and exported for future reference and traceability.



TIGHTNESS TESTING/ THICKNESS

Identification and qualification of airtightness & watertightness
NDT corrosion monitoring instruments for measuring thickness

TIGHTNESS TESTING



PORTASCANNER® WATERTIGHT PRO

choose me for MARINE LEAK QUALIFICATION!

A handheld, tablet-based integrity testing system that precisely detects and measures multiple leaks on a single structure, records leak flow rates and locations in its database, and exports test results electronically via USB.



PORTASCANNER® WATERTIGHT PLUS

FLAGSHIP for MARINE!

A portable, handheld tester for inspecting the watertightness and weathertightness of hatch covers, doors, and cable transit seals in marine environments, allowing a single operator to quickly and easily test multiple hatches and seals.



PORTASCANNER® AIRTIGHT

FLAGSHIP for BUILDING INTEGRITY!

Ensure optimal airtightness with our most advanced ultrasonic tool that locates and quantifies even the smallest leaks, automatically analysing and consolidating data for precise results in construction, maintenance, or medical applications.



PORTASCANNER®

choose me for BUDGET!

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.

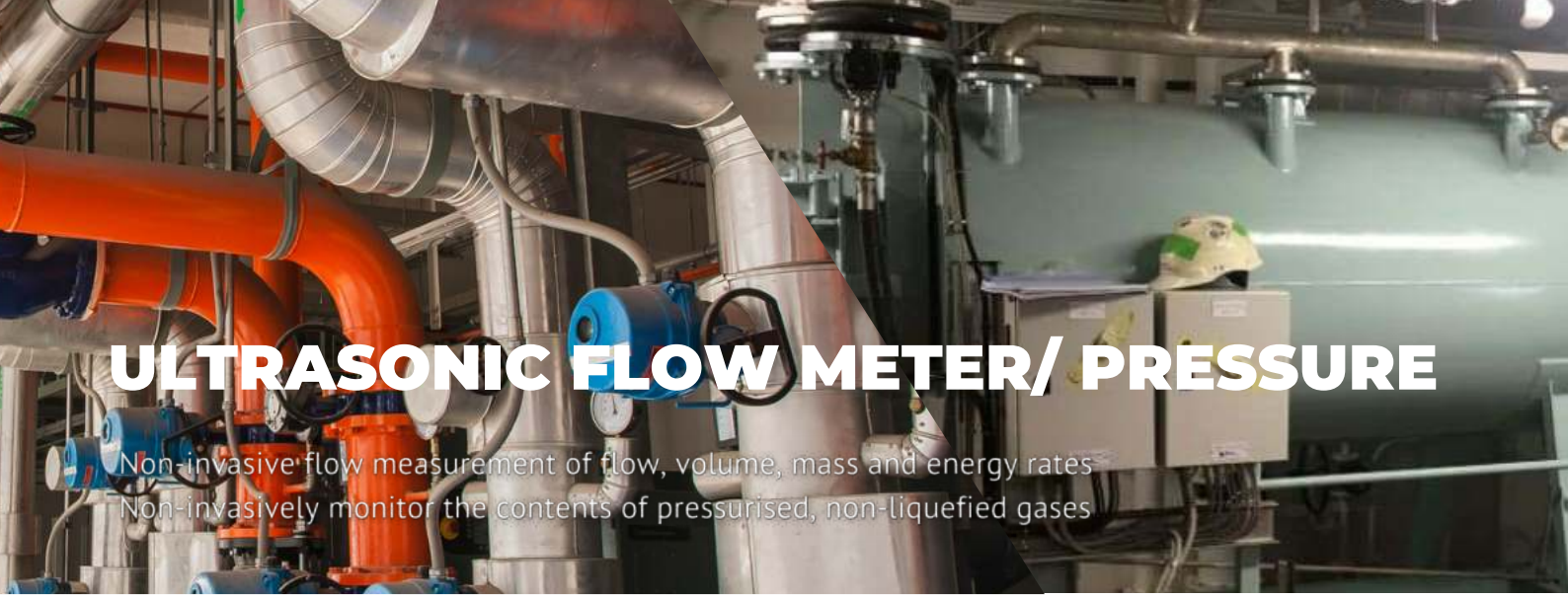
THICKNESS



PORTAGAUGE® 6

choose me to MEASURE THICKNESS!

A multiple echo ultrasonic thickness gauge designed to measure the thickness of metals and hard plastics, disregarding any coatings up to 20mm thick. Equipped with a built-in datalogger capable of storing up to 200,000 thickness measurements, it also features a minimum thickness alarm function for enhanced usability.



ULTRASONIC FLOW METER/ PRESSURE

Non-invasive flow measurement of flow, volume, mass and energy rates
Non-invasively monitor the contents of pressurised, non-liquefied gases

ULTRASONIC FLOW METER



PORTASONIC® PLUS

FLAGSHIP for PIPE FLOW measurement!

A portable ultrasonic transit-time flow meter that measures, records, and exports pipe flow rates with precision and ease. It features a customisable pre-programmed database, making it versatile for various pipe materials and liquid types, and adaptable for specific applications.



PORTASONIC® PRO

choose me for PRECISION FLOW and PRESSURE measurement!

A handheld, tablet-based ultrasonic flow meter that combines non-invasive flow measurement with pressure prediction software, and using external flow sensors, allowing it to calculate internal pipe pressure from measured flow rates. It includes the integration of the Portasonic® and Portasonic® CALCULATOR.



PERMAFLOW®

choose me for FIXED MONITORING!

A fixed, clamp-on ultrasonic transit-time flow and heat meter, ideal for measuring liquid flow rates with less than 10% gas or solid content. Mains powered and designed for continuous 24/7 monitoring, it boasts accuracy to within +/- 0.5% of the measured value under ideal conditions.



PORTASONIC® CALCULATOR

choose me for INTERNAL PIPE PRESSURE!

Calculate internal pipe pressures using external, non-invasive and portable flow sensors. To be used alongside the Portasonic 2.FLO® portable ultrasonic flow meter

PRESSURE



PORTAGAS®

choose me for Inert Gas Systems!

World's first non-invasive, non-destructive technology for monitoring pressurised inert gas systems. It precisely monitors the pressure of gases like Inergen®, detecting even minor fluctuations below the 5% precision required by regulations, ensuring safety and compliance.



PERMAMASS® FEATHERWEIGHT

choose me for Inert Gas and Clean Agent Systems!

The most accurate and fast-acting constant loss monitoring system of its kind, capable of detecting a loss of agent mass within 1% in Inert gas, CO2, and Clean Agent systems. It also provides accurate percentage pressure loss measurements associated with agent contents leakage.



COLTRACO Ultrasonics | since 1987

PRODUCT DESIGN & ENGINEERING / SCIENTIFIC SERVICES

Services to assist you with R&D and product development

PROUCT DESIGN AND ENGINEERING SERVICES



Looking to solve a problem or develop a concept?

At Coltraco, we provide end-to-end product design and engineering services, tailored to your needs. Whether you're starting with a rough concept or tackling a specific technical hurdle, our team is here to help your business develop a cutting-edge solution. We provide a staged innovation process, from early-stage ideation to prototyping and testing, we ensure each stage is aligned with customer needs and industry standards. With decades of experience in precision engineering and ultrasonic technology, we combine technical expertise, customer collaboration, and advanced simulation tools to create high-quality, market-ready products.

SCIENTIFIC SERVICES



Need academic research to support product development?

At the Durham Institute of Research, Development & Invention (DIRDI), we offer comprehensive scientific services that connect cutting-edge academic research with real-world challenges. With a network of over 430 Fellows across the UK's top universities – spanning physics, engineering, mathematics, AI, quantum technologies, fluid dynamics, sensor development, and more – we deliver scientific insight, interdisciplinary collaboration, and end-to-end research services to Government and industry. We deliver a full-spectrum service from ideation to research, development, and invention available at any TRL. Our services are designed to match complex research needs with the right experts, reduce time to impact, and ensure scientific rigour and innovation are embedded at every stage of your R&D journey.

Imperial College London | Durham University | UCL | University of Cambridge | University of Oxford | Durham Institute of Research, Development, and Invention | DIRDI

OUR THROUGH-LIFE COMMITMENT TO YOU

We look after our customers throughout the lifetime of your equipment.

Every main unit is supplied with **3 years warranty** and **1 year warranty on its sensors and accessories.**

We are proud to offer free lifetime technical support and online training is available on request with a range of solutions designed to meet your calibration requirements:



Onshore Calibration
This can be done in our UK laboratory or in one of our 11 ODA Service Centres present globally
We also support 1-1 exchanges with a pre-calibrated unit to reduce processing time
We also offer a unit collection service for customers who are not used to sending equipment out of their respective countries.

Remote Calibration
This can be done remotely onboard the vessel by a competent crew member to reduce the hassle of offloading the instrument while the vessel is at sea

ABOUT COLTRACO ULTRASONICS

Coltraco is ISO 9001:2015 and ISO 14001 approved

Our organisation comprises:

- Our **Company**
- Our **Laboratory**, co-located with the Centre for Advanced Instrumentation at 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"

Engaged in Research, Design, Development, Manufacture, Integration & Sustainment of high-exporting advanced technology systems, products and services.
We monitor and measure an array of specialised environments to deliver the Safesite™ on land and the Safeship™ at sea.

BY BEING SCIENCE-LED:

We identify and nurture brilliant minds, creating a unique research environment at Durham University, which is 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 this research and manufacturing excellence, and our enduring commitment to the sustainment of our technologies in the field, that makes Coltraco Ultrasonics the partner of choice for customers and distributors in 120 countries.

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

Safeship™
Today our instruments are aboard 17% of the world's 60,000 ships, preventing ships' catastrophic failure, by monitoring watertight integrity on the one hand, and the safe contents of fire extinguishing gases such as CO2, on the other. These are the basic principles by which we became a Safeship™ company in the maritime sector.

Safesite™
Our instruments serve over 20 market sectors, to ensure that safety critical systems, such as gaseous fire suppression systems, sprinkler systems and process control equipment, in high value assets always work effectively, and in the Built Environment, the ability to concurrently identify airtightness and energy loss. This is how we are a Safesite™ company, on land.

Contact and support

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British manufacturer of ultrasonic technologies, exporting to 120 countries and twice winners of The Queen's Award 2019 and 2022.