

Coltraco is the British Designer & Manufacturer of quality ultrasonic safety equipment.

In 2012-2014 we are releasing new systems and products to the market – some of which are brand new and the only ones of their kind.

HISTORY: We have over 20 years' experience in designing, manufacturing and supplying safety management and preventative maintenance equipment in 105 countries worldwide. We understand a wide range of the applications and environments our clients operate in.

MISSION: We have continually developed and updated our equipment, keeping it highly accurate and the newest of these are highlighted below. Our aim is to fulfill our customers' requirements, to supply high quality, accurate and reliable instrumentation with dedicated customer support for the life-time of the equipment, in order to add value to the safety and servicing regimes of our clients.

SUMMARY: For an introductory overview of our core range, please find below a brief summary of our products and systems which are based on the utilisation of Ultrasonic Technology across the mediums of Liquids, Air and Solids. Please do ask for more details on any of the instrumentation below and I hope you find it interesting to understand a little of our depth.

ULTRASONICS IN LIQUIDS: We are the world leading OEM for a range of Ultrasonic Liquid Level Indication Equipment, used for inspecting the content of Marine Fire Suppression Systems including CO₂, FM200, FE13 and a number of other similar applications. We manufacture a range of 7 different Portable ultrasonic liquid level indicators, from the cheapest in the world to the most complex and high performance unit, and our core range includes the following:

PRODUCTS

- **Portalevel® Analytical** – designed for industrial users who need to study the waveforms inside cylinders or tanks – using our 8th generation technology resulting from 2 years R&D [click here for the press release](#)
- **Portalevel® Datalogger** – the newest Portalevel variant in 2013 - to enable an engineer to record and download up to 1,000 level readings and contain these within a customer service report..
- **Portalevel® MAX** – the 8th generation model - after 2 years R&D the very latest in portable liquid level indication and fire suppression safety management - see www.portalevel-max.com
- **Portalevel® MAX Marine** – the 8th generation model marine package for shipboard use - after 2 years R&D the very latest in portable liquid level indication and fire suppression safety management
- **Portamarine®** – The 7th Generation unit, designed for shipboard CO₂ systems – Capable of offering a very robust and durable solution - kindly see www.portamarine.co.uk
- **Portalevel® Standard** – the 7th generation model designed for fire service engineers - NSN 6680-99-275-5292 - kindly see www.coltraco.co.uk/portalevel

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- **Portalevel® Basic** – entry-level or standby spare LLI, the cheapest unit in the world
- **Portasonic®** - A portable flow meter for fire hydrant and water sprinkler system flow monitoring and obstruction identification is also now available.

SYSTEMS

- **Permalevel® Single Point** – the first systems of its kind worldwide, Permalevel® provides the capability to constantly monitor the content of critical fixed fire suppression systems and instantly alert a facility in the event of any accidental discharge or seepage. It is designed for smaller systems or where the cylinders are dispersed throughout a facility. We have had Permalevel® Single Point in service with the UK Atomic Energy Authority (confidentially at Sellafield) for 10 years now – www.permalevel.co.uk
- **Permalevel® Multiplex** – the derivative system of the Permalevel® Single Point, this system is capable of simultaneously monitoring up to 16 different monitoring points in a single racked system 24/7. It is an ideal solution for those facilities operating in a particularly Safety Critical Environment or for those systems protecting particularly high value assets such as Financial Data Centres, FPSO's, Computer Rooms, Oil and Gas, Power etc.

ULTRASONICS IN AIR: We manufacture a range of equipment used for inspecting the watertight weather-tight or airtight seals on vessels, Offshore Oil & Gas Platforms, rigs etc, to identify the areas in a critical seal which are leaking. This allows the operator to take remedial action and ensure the seal will remain tight if under pressure from water and has become a central element in some of the world's leading ship-owning, ship-managing and offshore oil and gas companies.

PRODUCT

- **Portascanner® II** – the Portascanner II is a portable Ultrasonic Watertight Integrity Tester, used by ship's crew to inspect the Hatch covers on Bulk Carriers, Watertight Doors, Compartment and a variety of other applications. With full Classification Society approval and used by many of the world's largest Bulk Carrier Operators, it is commonly replacing hose and chalk testing as the preferred method of inspecting critical seals – www.portascanner.co.uk

SYSTEM

- **Permascanner® Dynamic** – the Fixed Monitoring System Variant of the Portascanner, the Permascanner is the only equipment of its type in the world capable of monitoring the seals in a vessels hatch covers, for 10 Days whilst it is at sea. It allows an operator to check how the dynamic movement of the vessel at sea affects the watertight integrity of the hatch cover seals and ensure no cargo damage will occur in heavy sea states www.permascanner.co.uk.

ULTRASONICS IN SOLIDS: We have both our own Coltraco designed manufactured simple single-echo gauge as well as supplying more complex gauges:

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- **Portagauge® III** – Our Coltraco designed and manufactured Super Simple “Superintendents” single-echo thickness gauge. It is ideal for the vast majority of steel, pipework, hull and corrosion testing onboard vessels. Pocket sized and manufactured with a comprehensive 3 year warranty, it provides a robust and versatile solution – website soon to be updated with new product info – come back soon www.coltraco.com/portagauge
- **Portagauge® 4** – This state of the art thickness triple echo thickness multigauge is capable of measuring only the thickness of metal underlying the paint, independently. This allows readings to be taken of the metal, ignoring any coatings for ultra-accurate corrosion testing.
- **Range of other thickness gauges** to cater for almost any application - please ask.
- **Composite Material Flaw Detector** – soon to be released

AFTER SALES: We at Coltraco are dedicated to customer service and offer our support for the life-time of the equipment. We are one of the only instrumentation manufacturers in the world to offer Total Care programmes:

- **Portacare®** - Service support is a critical part of our corporate offerings and Portacare® is a service designed to contain all repair, labour, parts, inspection, teardown, annual calibration and 1 way freight costs in 1 simple annual fee, on 3-5 year term length, so that our equipment can be properly maintained and calibrated throughout their service lives.

YOUR REQUIREMENT: Thank you for your time in reading the above and if there are any products above which you require we are often able to source them as we supply other products eg. Alcohol & Drug test kits, so do feel free to enquire. Similarly, we may be able to custom design a solution to fulfill a particular requirement if you ask our Technical Department.

STAYING INVOLVED: You can keep up to date with our latest news and products by joining us on LinkedIn, Twitter, Facebook for our news, updates and offers and I will also gladly include you in our newsletters. We look forward to hearing from you and feel free to get in touch anytime.

At Coltraco we aim to move your business forward; making sense of Made in England.