

## In this issue:



## Unique Ultrasonics

COLTRACO offers Level, Tightness, Flow, Pressure and Thickness Solutions.



### CEO's Corner

Ultrasonics can be used for a wide variety of non-invasive testing applications: detecting air or water leaks or tightness, measuring fluid flow in pipes THROUGH the pipe wall, determining fluid levels inside a metal tank without penetrating the vessel wall, and measuring coating thicknesses.

Coltraco Ultrasonics is an advanced British manufacturer of patented ultrasonic technology products. These devices are used in a diverse array of market sectors that include industrial, shipping and naval, safety engineering, process control, mining, offshore energy and renewables, healthcare, the environment, and military scenarios. These unique precision products encompass level, flow, thickness, pressure, and leakage categories. With customers on every continent, Coltraco is justifiably proud of being presented with the Queen's Award for Enterprise in International Trade twice. For an introduction to Coltraco, please click [Here](#)

Below are highlights of their product categories. Perhaps they may non-invasively solve a problem you are facing!

Alan Lowne  
CEO, Saelig Company Inc.

# What's New?

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# Contact Information

Voice: 585-385-1750

FAX: 585-385-1768

Sales: [sales@saelig.com](mailto:sales@saelig.com)

Tech Support: [support@saelig.com](mailto:support@saelig.com)

Quotes: [quotes@saelig.com](mailto:quotes@saelig.com)

# Promotions

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# COLTRACO Ultrasonics | since 1987



Level, Tightness, Flow, Pressure and Thickness Solutions

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## Channel

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- RF/Microwave
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- Signal Generators
- Spectrum Analyzers
- Switches
- Test Enclosures
- USB Analyzers
- Waveform Generators

<b>Test Equipment</b> 	<b>Automotive</b> 	<b>Cables / Converters</b> 
<b>EMC Test</b> 	<b>Components</b> 	<b>RF Shielding</b> 
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<b>Industrial PCs</b> 	<b>PCB Test</b> 	<b>Ultrasonic</b> 



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I founded Saelig in 1988 to search the world for unique electronic control and instrumentation equipment, including economical oscilloscopes, PC and RF spectrum analyzers, ESD and logic analyzers, ADCs, power RF sources, EMAs, data loggers, DR and ADC controllers, PCB test, high-res industrial panel PCs, EM enclosures, USB serial converter modules, etc.  
Our primary customers include Intel, Apple, Philips, Micron, NEC, TI, Harris, Sony, HP, General Dynamics, Raytheon, General Motors, many other Fortune 500 companies, military, educational institutions, hospitals, individual end-users, students, hobbyists, etc.



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# Level Sensing



## Portalevel® LITE

Portalevel® LITE is Coltraco Ultrasonics' latest innovation in ultrasonic liquid level measurement, offering high-accuracy performance at an exceptional value. Building on the success of the Portalevel® Original and Portalevel® Mini, it is designed for the non-invasive measurement of fire suppression system contents.



## Portalevel® ADVANCED

The Portalevel® ADVANCED is a portable, non-invasive ultrasonic liquid level indicator designed for measuring the content of fire suppression agents in seamless or welded single-skin cylinders. The Portalevel® ADVANCED boasts additional advanced features for detailed analysis.



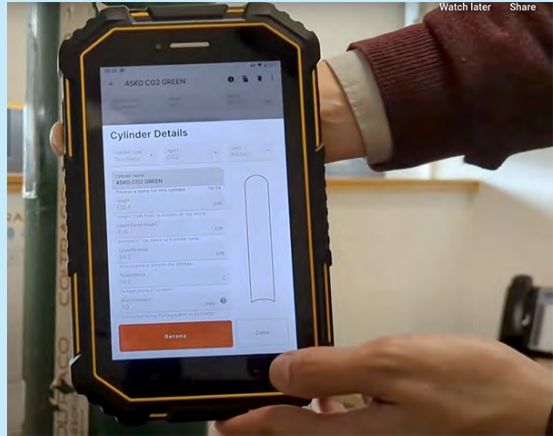
## Portalevel® MAX PLUS

The Portalevel® MAX PLUS is an all-new liquid level indicator for identifying gas or liquid phase levels in a cylinder of fluids such as used in fire suppression, CO<sub>2</sub>, liquified clean agents, and halons. This portable liquid level indicator is designed to non-invasively, accurately, and reliably measure the level and volume/mass of agents contained within a cylinder, measuring through the wall.



## Portalevel® IS

The Portalevel® INTRINSICALLY SAFE is a specialist, intrinsically safe ultrasonic liquid level indicator. It is designed for non-invasively monitoring the contents of fire suppression systems in hazardous, explosive environments. This device is the ideal tool for testing cylinder contents in ATEX Zone 1 Zone 2 hazardous areas. classified areas.



## Portasteel® Calculator

The Portasteel® CALCULATOR is the perfect partner to any of Coltraco Ultrasonics' liquid level detectors. It allows you to 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.

Used in partnership with the Portalevel® Ultrasonic Level Indicator range



## Portalevel® MAX MARINE PLUS

The Portalevel® MAX MARINE PLUS is a liquid level instrument designed specifically for use on board marine vessels and similar environments that can determine liquid levels within closed cylinders, such as fire suppression reservoirs.



## Portatank®

The Portatank® is a portable handheld device for measuring liquid levels non-invasively through the outer walls of storage tanks with wall thicknesses of 0.004" — 0.8" and diameters of 1.5' to 50' which are made of most common materials such as steel, plastic, and aluminum. This safe, advanced, lightweight, and





The Coltraco Permaflow® is a fixed, clamp-on, non-invasive ultrasonic transit time flow and heat meter for measuring the flow rates of liquids containing less than 10% of gas/solid contents. Line-powered, it is designed for 24/7 monitoring and can determine volumetric flow rate, mass flow rate, and energy (heat quantity) flow rate — all in one instrument.



## Portasonic PRO®

The Portasonic® PRO is a handheld tablet-based ultrasonic clamp-on flow meter with pressure prediction software for calculating internal pipe pressure from measured flow rates. It combines the functionality of the Portasonic® 2.FL0 in measuring flow rates with the Portasonic® CALCULATOR, to form the first instrument capable of calculating the internal pressure within pipes, using non-invasive, externally measured flow sensors.

## Leak Detection



## Portascanner® AIRTIGHT PRO

Portascanner® AIRTIGHT kit consists of a handheld, portable, battery-powered 7" touchscreen tablet, a highly directional, sensitive sensor wand for precise and accurate location of leak sites, and an ultrasonic generator that creates a powerful ultrasonic signal to fill the room or compartment with ultrasonic waves used to identify and quantify any leaks. Useful in laboratories, pharmaceutical, biological, or food environments that require the highest levels of hygiene, with a clear segregation of areas, or in semiconductor clean rooms, which must be

airtight for ensuring manufacturing quality.



## Portascanner® WATERTIGHT PRO

The Portascanner® WATERTIGHT PRO is a portable instrument for locating leaks and assessing water and weather-tightness, particularly on commercial ships, warships, and offshore oil & gas platforms. It can calculate potential water flow rates in watertight compartment cable transit areas, hatch covers, bulkheads, and watertight doors.

## Thickness Sensing



## Portagaugage® 6

Portagaugage® 5 is an accurate and reliable non-destructive ultrasonic tool for characterizing and verifying the thickness of a range of materials. This includes most metals and hard plastics, based on a built-in database containing the characteristics of multiple materials.

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### Test Equipment



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