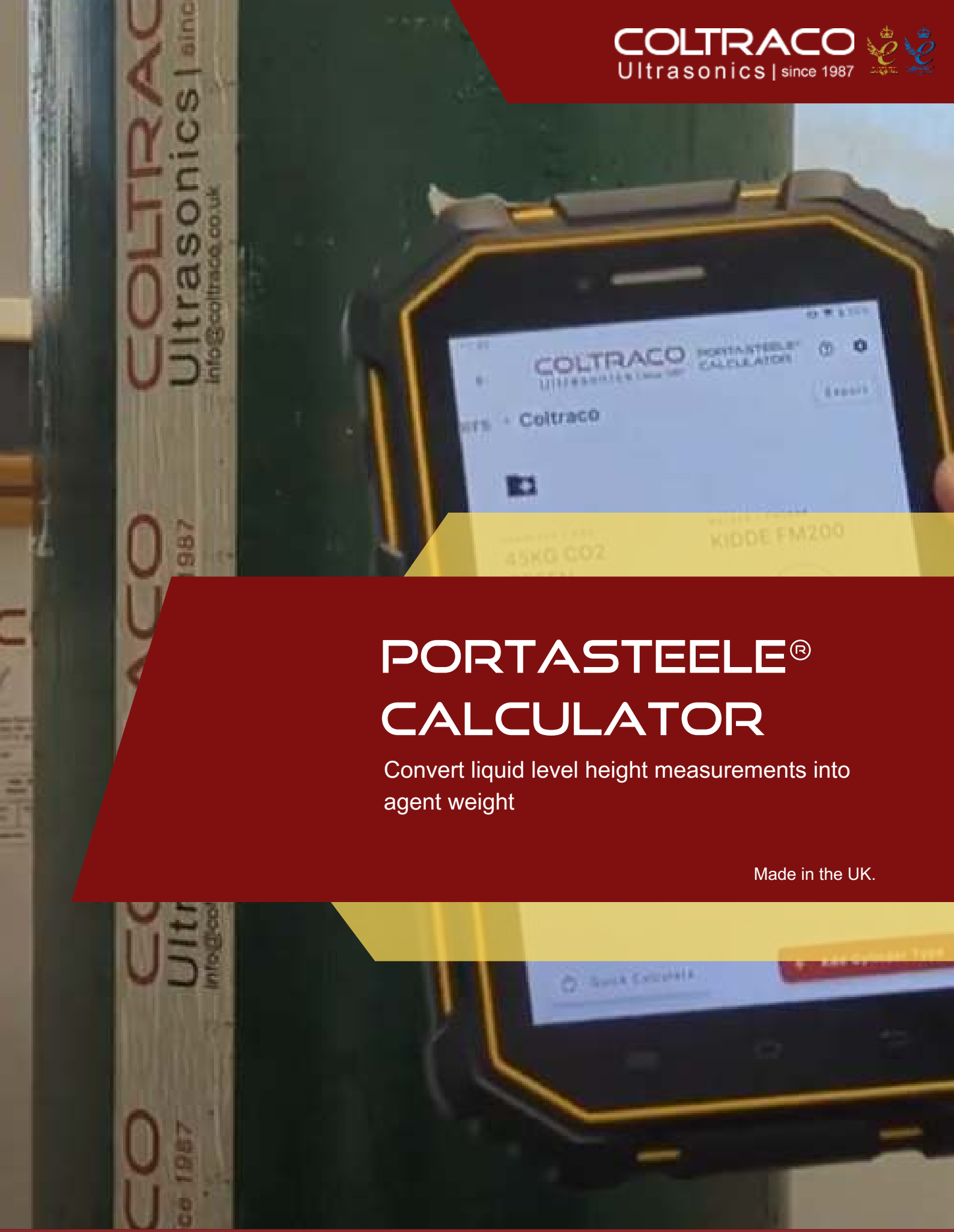
COLTRACO
Ultrasonics | since 1987



PORTASTEELE® CALCULATOR

Convert liquid level height measurements into agent weight

Made in the UK.

INTRODUCING THE PORTASTEELE® CALCULATOR

Portasteele® CALCULATOR is a specialist handheld 7" tablet designed to calculate agent weight from liquid level height as measured by a Portalevel® device. When used alongside the Portalevel® range, agent weight can be calculated to within 1% of true weight. This allows for rapid and reliable calculation and detection of agent loss which is an absolute necessity in ensuring the functionality of a fire suppression system. Portasteele® CALCULATOR uses an ergonomic ruggedised tablet to conduct powerful calculations to determine agent weight.

- **Type** – Handheld 7 inch Tablet
- **Function** – Designed for converting liquid level height results into agent weight, data can be exported to use in reports
- **Part Number** – CALC-007
- **Regulation Compliance** (With the Portalevel®): NFPA 12, 12A and 2001; ISO 6183 and ISO 14520; IMO SOLAS FSS Code Ch 5.; MSC.1/Circ. 1318



STOP WEIGHING CYLINDERS

Manual weighing of fire cylinders is the traditional method to check a fire suppression cylinder. But it takes time and labour which risks back injury, requires shutting down the fire protection system during inspection, and risks to the system by dismantling each cylinder. Choosing Portalevel® level indicator and Portasteele® CALCULATOR is *faster, better, cheaper*.



2 people, 15 minutes, risky



1 person, 30 seconds, safe

KEY FEATURES OF PORTASTEELE® CALCULATOR

Built in database
Pre-programmed with 7 agents and customisable, allowing for new agents to be inputted at will

Works across cylinder types
Pre-programmed and compatible with most liquified fire suppression agents (CO2, FM-200, NOVEC 1230, and more)



Hard-wearing
100% waterproofness in up to 1m of water for at least 30 minutes and up to 200 hours of standby time

Accurate results
Detects and alerts user if they are measuring supercritical fluid to avoid anomalous or erroneous results

WHY USE THE PORTASTEELE® CALCULATOR?

Record and report
- Compare previous records, instantly identify leakage and export reports to USB or email.

Instant calculations
- Provides results in under 30 seconds - significantly faster than weighing.

Precise calculations
- Show % mass difference of agent lost, to comply with regulations.

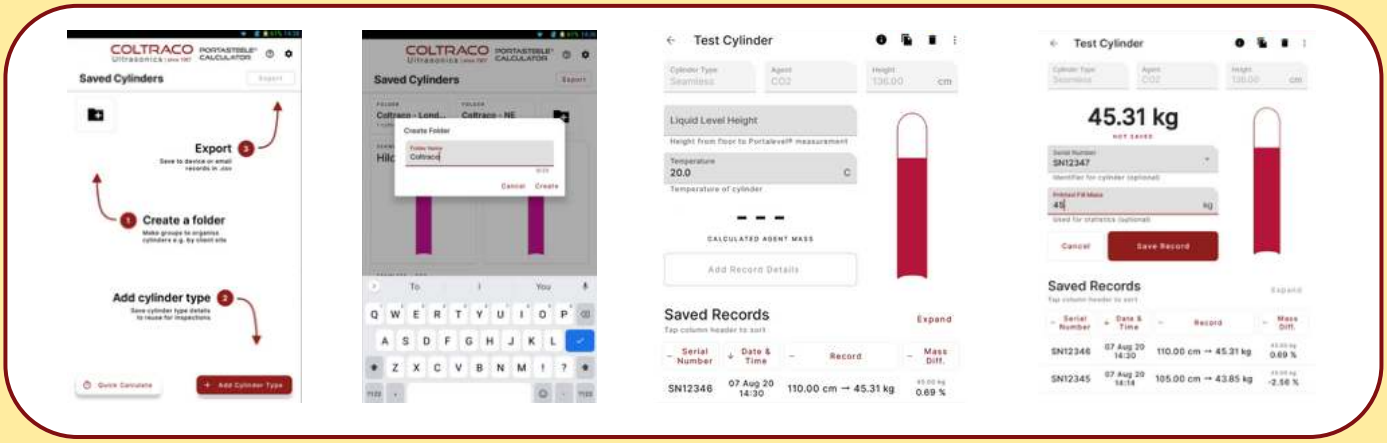
Lifetime Support
- Free training and in-app help. Free support by phone/email.

HOW TO USE

1. Ascertain cylinder agent liquid level using the Portalevel® (suitable with all models). Then use Portasteele® CALCULATOR to convert the liquid level height into agent weight.



2. On the Portasteele CALCULATOR, create a new folder and input cylinder details. Save results to device and securely export results in .csv by email or USB.



It really is that simple!

Let Portasteele® CALCULATOR do the maths for you and never get it wrong.

Watch the full demonstration video: https://youtu.be/UeNn6yhPfew

CYBER SECURITY

Whilst exporting records from the Portasteele® is very useful for some customers, other customers who are working in strict security environments may not wish to have this facility. So Portasteele offers the ability to store information on the tablet only. Internet through WiFi is the only means of external communication. This typically requires a password input from the user to connect the tablet to their WiFi. If the user does not initiate the connection, the tablet is completely cut off from external connectivity. Exporting through WiFi (email) is not possible if the user does not initiate the connection to the internet. Exporting through USB is enabled by default. No external connectivity is required / allowed when doing this.

TECHNICAL DATA

Dimensions	**216mm (H) x 136mm (W) x 19mm (D)**
Unit Weight	**558g**
Cylinder Compatability	**Welded and seamless**
Agent Types	**CO2, FM-200®, NOVEC™1230, Halon 1211, Halon 1301, Fe-13™, FE-25™**
Accuracy	**Down to ± 1% of true liquid level**
Display	**7.0-inch HD IPS capacitive touch screen, 1280 x 800px**
Power Supply	**Built-in 8000mAh rechargeable Li-ion battery for up to 200 hours standby time**
Certifications	**IP67 Water/dustproof rating**
Warranty	**Main Unit: 3-Year Warranty Technical Support: Lifetime of the unit**

WHATS IN THE BOX?

- Portasteele® CALCULATOR:Handheld, rechargeable 7-inch touchscreen preloaded with the Portasteele® CALCULATOR applications
- USB Type-C to USB Type-A Adapter:To allow direct plug-in of a USB stick for exporting data
- USB Type-C cable:For charging and data transfer
- Power Adapter:For charging
- USB Stick :To save your data on
- Quick Start Instructions:Contains comprehensive guidance as to how to use the calculator
- Phillips screwdriver #1 point size:To remove backplate for sim card (not necessary)



BENEFIT FROM WARRANTY AND SUPPORT

- Main Unit: 3 years
- Lifetime customer support

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.