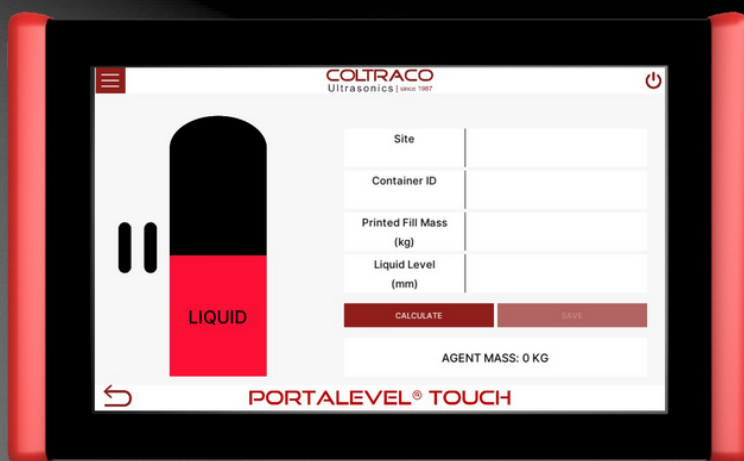


REVOLUTIONARY 3-IN-1 LIQUID LEVEL TO MASS TECHNOLOGY

TO INSPECT GASEOUS FIRE SUPPRESSION SYSTEMS

PORTALEVEL® TOUCH



INTRODUCING PORTALEVEL® TOUCH

Portalevel® TOUCH is latest 10th generation ultrasonic liquid level indicator by Coltraco Ultrasonics.

The ideal handheld tool to quickly, easily and accurately measure fire system container contents.

- **Type** – Portable Ultrasonic Liquid Level Indicator
- **Function** – Designed for servicing fixed gaseous fire suppression systems, such as CO₂, FM-200®, Novec™1230
- **Part Number** – 2290334-TOUCH

Precise

Brand new rectangular crystal sensor design for precision level detection

Efficient

Integrated with automated weight calculations to save time

Intuitive

Very simple to operate, with minimal training required by the operator

TIME TO INSPECT YOUR FIRE SYSTEMS

better, faster, cheaper

superior liquid level detection technology

touch screen

animated graphics

save and download results

identify container content weight, verifiable from the container fill stamp

built-in liquid height to weight conversion tool

intuitive, easy to use

BENEFITS OF LIQUID LEVEL TECHNOLOGY

Fast

Identify container contents in under 30 seconds

Accurate

Calculate exact agent weight within 0.5% accuracy

Record Data

Download and export test results into reports for audit trail

Easy to Use

Minimal user training required and suitable for all skill levels



Save Time

Thanks to quicker inspections and rapid reporting

Save Costs

One device can test unlimited container types and agent types

Minimise Risk

No risk of faulty magnetic tape / mechanical liquid level indicators

Improve Asset Safety

Protect your people, assets and infrastructure

Benefits of ultrasonics vs. manual weighing

Regulations allow liquid level testing. Whilst weighing is the traditional method, risks of weighing include: personnel (back injuries from lifting heavy container); to infrastructure (turning your fire systems off means your asset is unprotected).

2 people
15 minutes
risk*



1 person
30 seconds
safe*

TIME TO IMPROVE FIRE SAFETY.

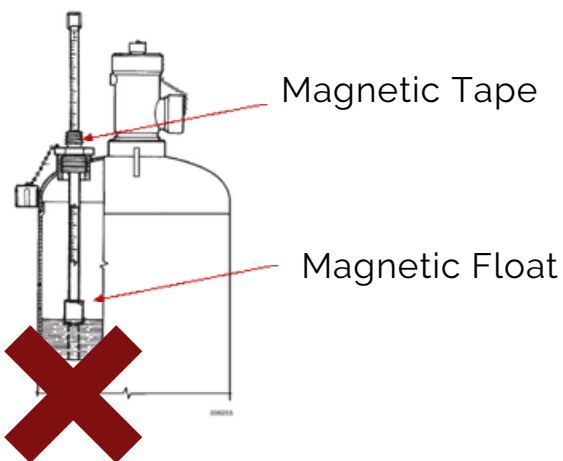
TIME TO STOP WEIGHING.

TIME TO SAVE TIME & COST.

WHY CHOOSE A LIQUID LEVEL INDICATOR VS. A BUILT-IN MAGNETIC FLOAT LEVEL INDICATOR?

There are some limitations to built-in magnetic float level indicators. They are invasive as they must be integrated inside the container. They cannot be retrofitted. There is room for human error as it relies on the user feeling the magnetic pull on the tape.

It lacks the option to compare liquid height to stamped agent weight. Finally, the recording measurements manually in paper is less effective vs electronically recording by time and date as with the Portalevel® TOUCH.



3 key benefits of Portalevel® TOUCH

Greater Accuracy

Portalevel® TOUCH is accurate to 0.5% of true liquid height and agent weight, far greater than magnetic tape

Agent Weight

Portalevel® TOUCH converts liquid height to weight to compare with stamped fill weight

Download Results

Portalevel® TOUCH saves results, with a time and date stamp for auditing value, improving credibility of the servicing and maintenance checks

HOW DOES PORTALEVEL® TOUCH WORK

Non-invasive

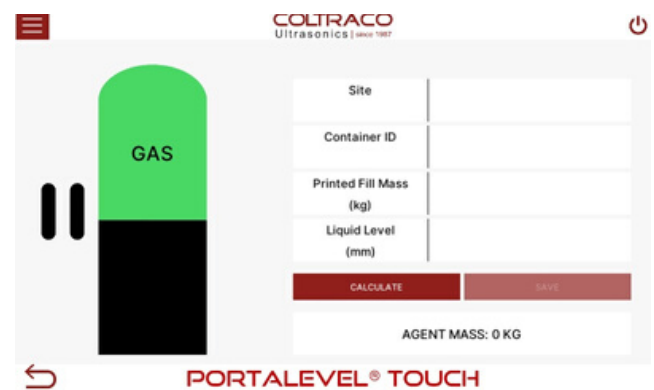
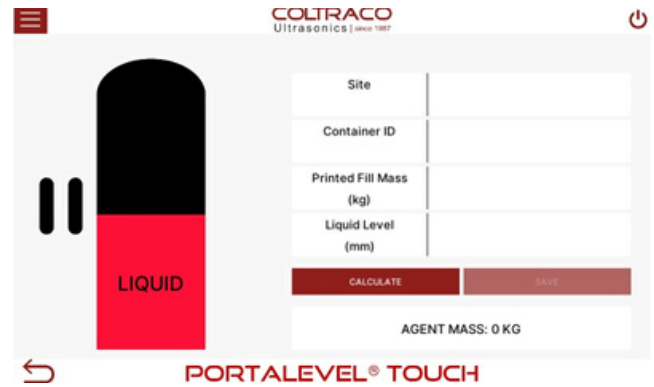
ultrasonic technology is transmitted through the sensor which is placed externally on the container.

Instant Response

ultrasound returns to the sensor and depending on what is present behind the containers' walls (i.e. liquid or gas), the ultrasound reacts differently.

Graphical Display (pictured)

processes the difference in response and gives the user an animated graphical display showing either "Above Liquid" or "Below Liquid".



HOW TO TEST: 3 SIMPLE STEPS



1. Connect unit and sensor. Turn unit on. Select agent type and container details i.e. agent, pressure, shape, volume. Apply sensor to container exterior.

2. Move sensor down container until the liquid level has been identified.

3. Enter the specific details of each container, add the height of liquid level found. Then the device calculates the exact agent weight accurate to 0.5%.



STAY COMPLIANT WITH REGULATIONS

NFPA 2001 Standard on Clean Agent Fire Extinguishing Systems

Section 7.2.3.5: The weight of agent in the containers shall be verified by weighing or other approved methods

NFPA 12 Standard on Carbon Dioxide Extinguishing Systems

Section 4.8.3.5.1: Container contents checked every 6 months

ISO 6183:2009 Fire protection equipment — Carbon dioxide extinguishing systems for use on premises — Design and installation

Section 9.2.1.3: Loss in CO₂ quantity of more than 10% mass shall be refilled or replaced

ISO 14520-1:2015 Gaseous fire-extinguishing systems — Physical properties and system design — Part 1: General requirements

Annex F5: Every 6 months for liquefied gases, check weight or use a liquid level indicator to verify correct content of containers,

BS5306-4:2001 Fire extinguishing installations and equipment on premises — Part 4: Specifications for Carbon Dioxide systems

Section 9.1.1.3: At least every six months, the container contents shall be checked.

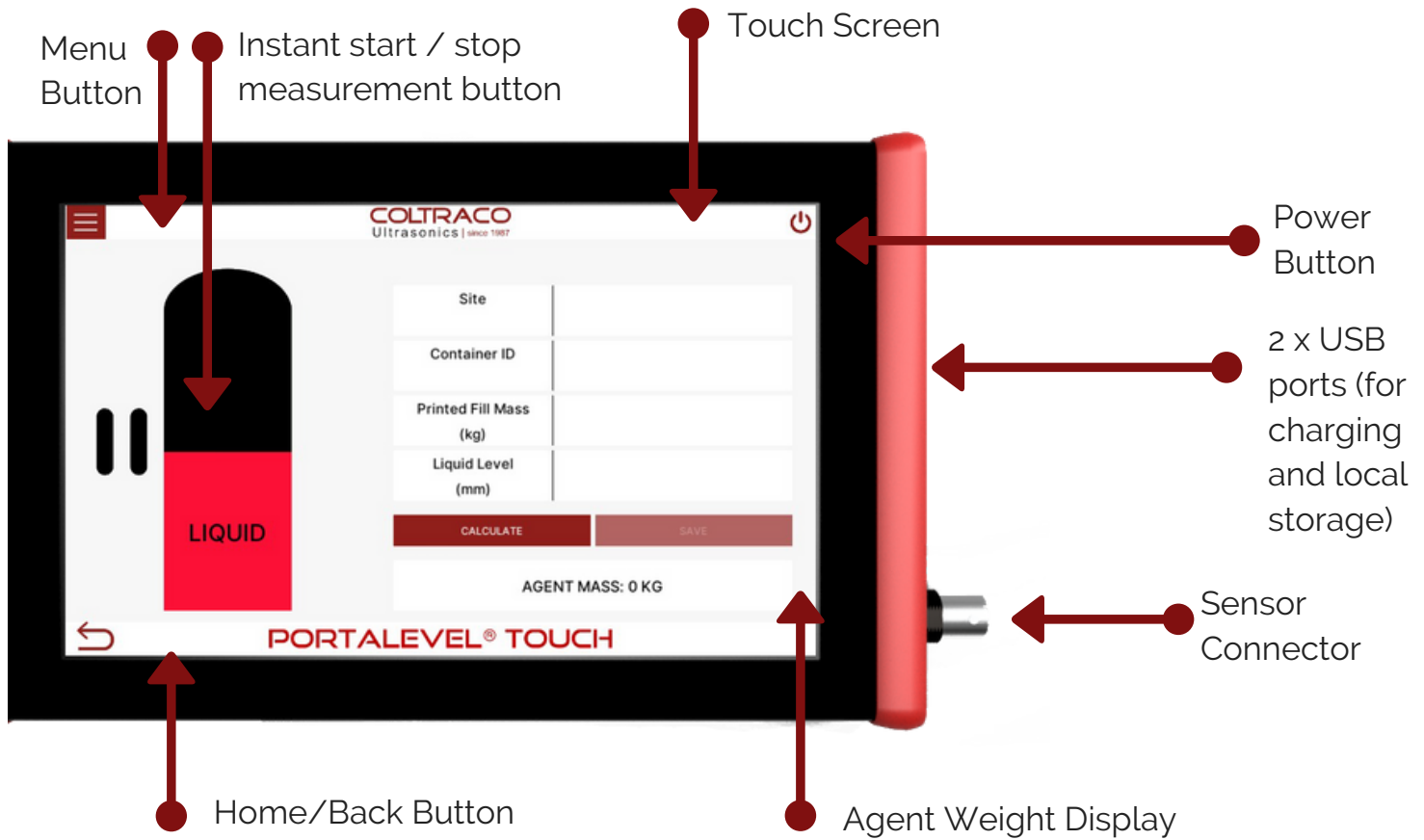
TECHNICAL SPECIFICATIONS (SOFTWARE)

Verifiable Agents	CO ₂ , FM-200®, Novec™1230
Key Features	<ul style="list-style-type: none">• Coloured animated display for liquid level identification• Pre-loaded container information based on technical drawings provided• Liquid height to weight conversion• Agent loss percentage calculated• Ability to store and save test information with time / date stamp• Export information onto USB stick• Database search function, to view individually saved records
Upgrade Options	Upgradeable during annual calibration to include additional features if required

TECHNICAL SPECIFICATIONS (HARDWARE)

Dimensions	Main unit: L 220 x W 120 x D 47mm
Weight	Main Unit: 800 grams
Accuracy	0.5% of the true agent quantity
Sensor	Magnetised rectangular TX/RX sensor 50mm (L) x 25mm (W) x 30mm (D), connected by BNC connectors to 1m length co-ax cable; Built-in Ambient Temperature Probe
Power	LiPo Battery operated, Rechargeable via USB. No replacement required
Display	Capacitive LCD 1024 x 600 Touch Panel; screen dims: 165mm (L) x 100mm (W)
IP Rating; Casing Material	At least IP54; Aluminium casing with plastic caps and neoprene rubber seals
Operating Temperature	Ambient temperature range: -20°C to +50°C
Warranty	Main Unit: 3 Years Warranty Sensor: 1 Year Warranty
Package Contents	1 Main Unit 1 Sensor 1 Robust Carrying Case 1 Calibration Certificate 1 Operating Instructions
Manufacturing Location	Coltraco Ultrasonics, United Kingdom

GUIDE TO THE PORTALEVEL® TOUCH



PACKAGE

Comes in a ready to go package so that your servicing teams will be able to start testing as soon as they have read the Operating Instructions.



CUSTOMER CARE COMMITMENT

Enjoy Coltraco Ultrasonics' after sales support

Every unit provided by Coltraco comes with 3 year warranty supporting the manufacturing quality of the main unit and 1 year on sensor,

Technical Support provided free of charge for the unit's lifetime.

OPTIONAL ACCESSORIES

If you are testing multiple banked rows of containers you can test the 2nd, 3rd and 4th rows using an Extension Rod. Other accessories available on request.

We have local partners to support you worldwide through our global network of Partners, Distributors and ODA (Organisational Delegated Authorities) Service Centres which provide regional support for caliibration in UK, France, Greece, UAE, India, Singapore and USA.

OPTIONAL AFTER SALES

PORTACARE® Total Care Package for enhanced support.



TESTIMONIAL
DAVID, FIRE PROTECTION TEAM

"We have found the unit very useful. We test hundreds of FM-200® containers a month. Using the unit to service these containers we can ensure that our customers are protected from fire risk which is vital. Just today we found an empty container that needs refilling"

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COLTRACO ULTRASONICS

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