

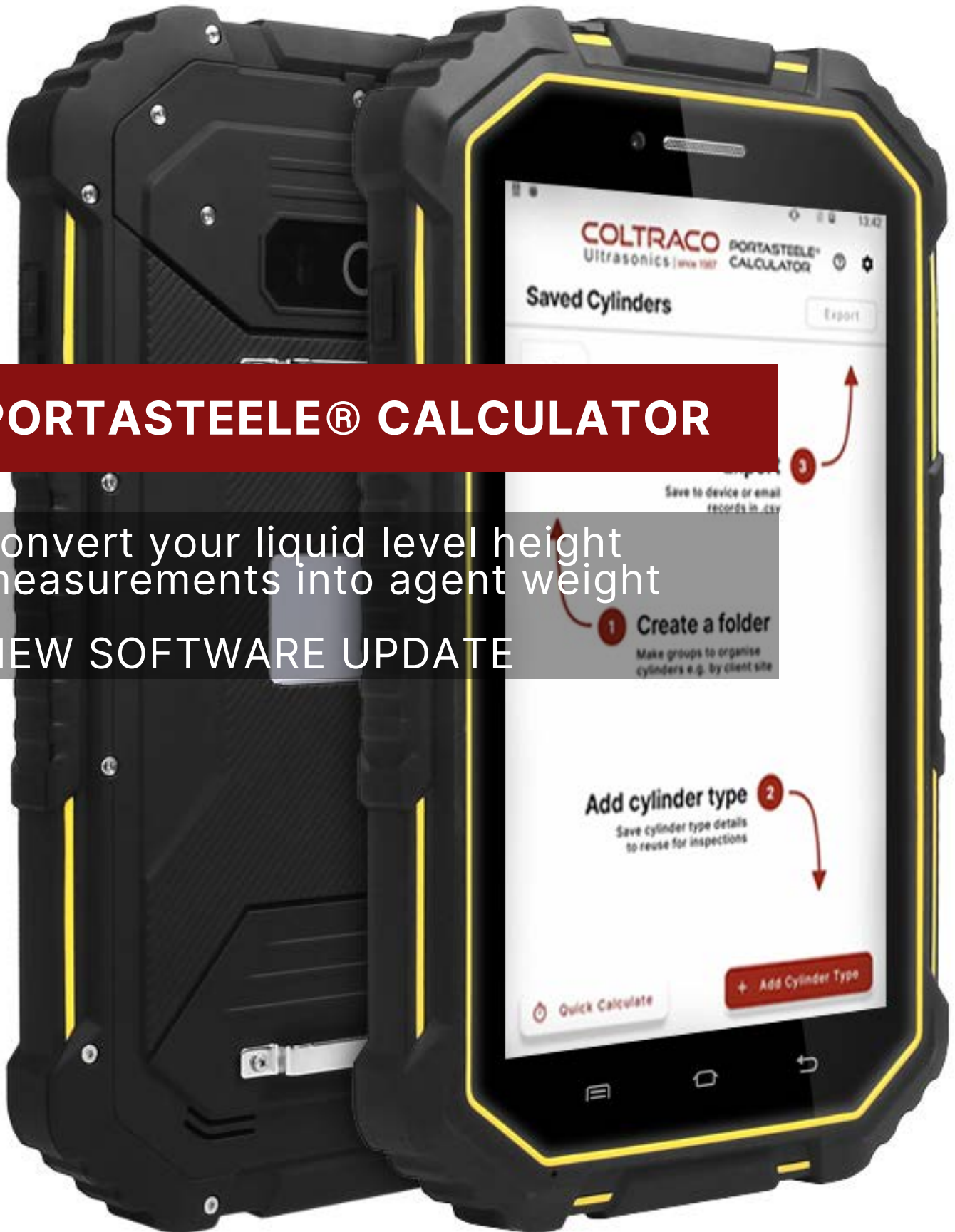
# COLTRACO

Ultrasonics | since 1987

## PORTASTEEL® CALCULATOR

convert your liquid level height  
measurements into agent weight

NEW SOFTWARE UPDATE



*PORTALEVEL®'S PERFECT PARTNER*

# INTRODUCING PORTASTEEL® CALCULATOR

**Portasteel® CALCULATOR is an intuitive tablet which will convert your liquid level height measurements into agent weight.** Saves your cylinder readings. Exports inspection results for enhanced customer servicing reports and internal records.

*August 2020 extensive new software update released.*

- **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



## PRECISE

Show % mass difference of agent lost, to comply with regulations



## RECORD & REPORT

Compare previous records, instantly identify leakage and export reports to USB or email



## QUICKER

30 seconds with Quick Calculate feature. Easy to use, reliable, highly accurate.



**Works in harmony with  
all Portalevel® models**

# 8 REASONS TO CHOOSE CALCULATOR

Personalise your tablet by saving your usual cylinder types.

Save time and cost with instant calculations.

Enhance your servicing. Deliver improved safety with accurate results.

Award-winning fire safety technology and The Queen's Award.



Comply with regulations; verify how much agent has leaked.

Compare results from previous service reports.

Secure export of database to be used in reports by email or USB download.

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

## 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\*



TIME TO IMPROVE FIRE SAFETY.

TIME TO STOP WEIGHING.

TIME TO SAVE TIME & COST.

# VERIFIABLE AGENTS

Including but not limited to the common liquefied gaseous fire suppressant agents e.g. CO<sub>2</sub>, FM-200®, NOVEC™ 1230, Halon 1301 and 1211, FE-13™, FE-25™. For additional agents please ask.



## APPLICATIONS

### Fire Safety & Servicing

Must-have tool for inspecting fixed fire suppression systems.

### Marine

Ideal for Ship Owners, Managers, Operators and Marine Surveyors.

### Power Generation

Including power plants, transmission & distribution sub-stations.

### Oil & Gas

Rigs, platforms and offshore support vessels.



### Defence

Particularly Naval Forces and Coast Guards

### Data Centres, Banks & Telecommunications

Protect from shut down & loss of data.

### Wind Turbines

Minimise fire risk in wind turbines and renewable energy substations.

Get in touch with your requirements to find out how we can help your application!

# HOW TO TEST

Ascertain cylinder agent liquid level using the Portalevel® (suitable with all models).

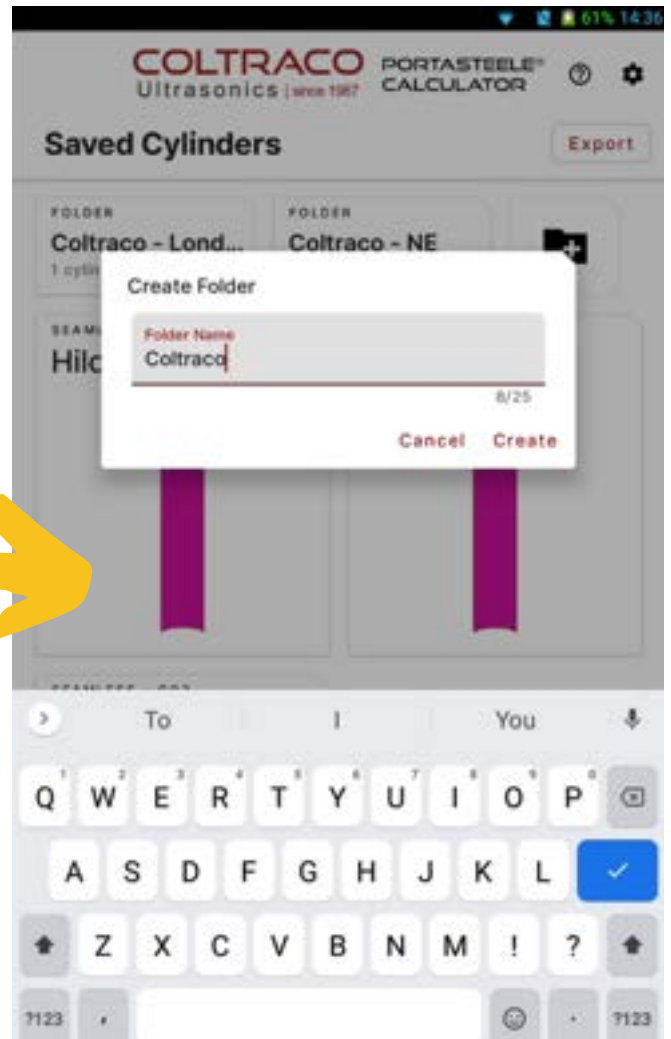
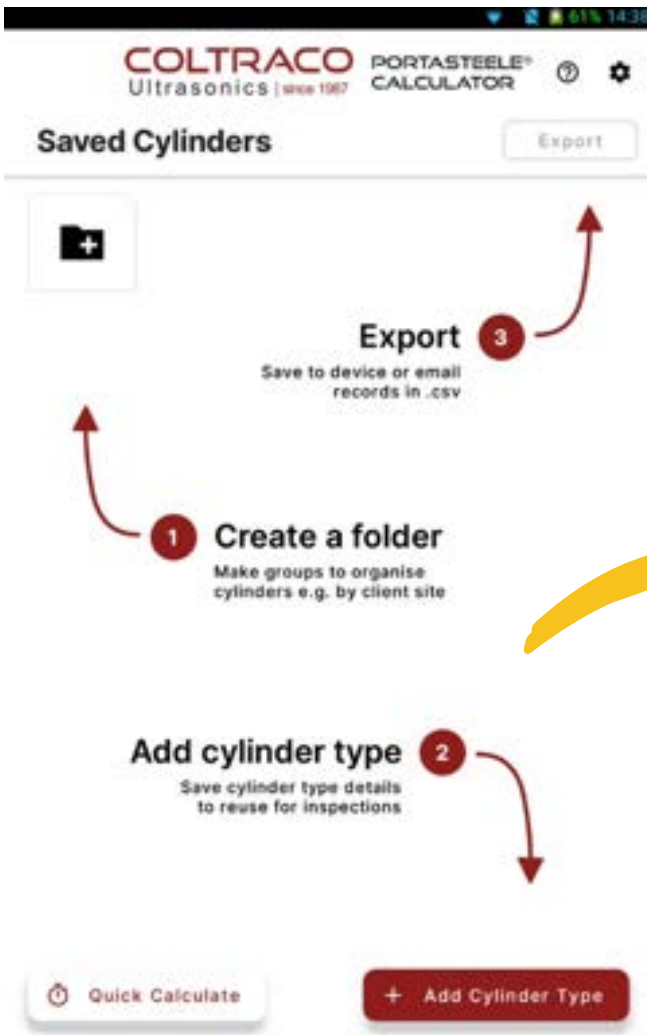
Then use Portasteele® CALCULATOR to convert the liquid level height into agent weight.



**1. Create a folder**

**2. Add cylinder details**

**3. Save results to device and securely export results in .csv by email or USB**



# Test Cylinder

Cylinder Type Seamless Agent CO2 Height 136.00 cm

Liquid Level Height

Height from floor to Portalevel® measurement

Temperature 20.0 C

Temperature of cylinder

CALCULATED AGENT MASS

Add Record Details



- 1 Enter liquid level height
- 2 Add record details
- 3 Save to database

## Saved Records

Tap column header to sort

Expand

Serial Number	Date & Time	Record	Mass Diff.
SN12346	07 Aug 20 14:30	110.00 cm → 45.31 kg	45.00 kg 0.69 %

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

Demonstration video and "how to" video on YouTube  
<https://youtu.be/UeNn6yhPfew>

### Test Cylinder

Cylinder Type Seamless Agent CO2 Height 136.00 cm

# 45.31 kg

NOT SAVED

Serial Number: SN12347  
Identifier for cylinder (optional):  
Printed Fill Mass: 45  
Used for statistics (optional):

Cancel Save Record

### Saved Records

Tap column header to sort

Expand

Serial Number	Date & Time	Record	Mass Diff.
SN12346	07 Aug 20 14:30	110.00 cm → 45.31 kg	45.00 kg 0.69 %
SN12345	07 Aug 20 14:14	105.00 cm → 43.85 kg	45.00 kg -2.56 %

# TOP 6 BENEFITS OF THE 2020 UPDATE



*Suitable for use with Portalevel® MINI*

**1. Seamless and welded cylinder options** now available as a selection for a wide variety of fire suppression agents

**2. Database exporting** function available through USB and WiFi

**3. Improved the ease and accuracy** of level to agent weight conversion by implementing easy-to-measure cylinder dimensions and level height measurement from floor

**4. Database list view** see all the measurements you have recorded for a particular cylinder type in one page. Helps you to view your past servicing records and understand the service history of that cylinder

**5. Drag-and-drop cylinders into folders** create cylinders on site and add them into specific folders later!

**6. Onscreen guide** available to help with measuring dimensions



*Suitable for use with Portamarine®*

## 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 SPECIFICATIONS

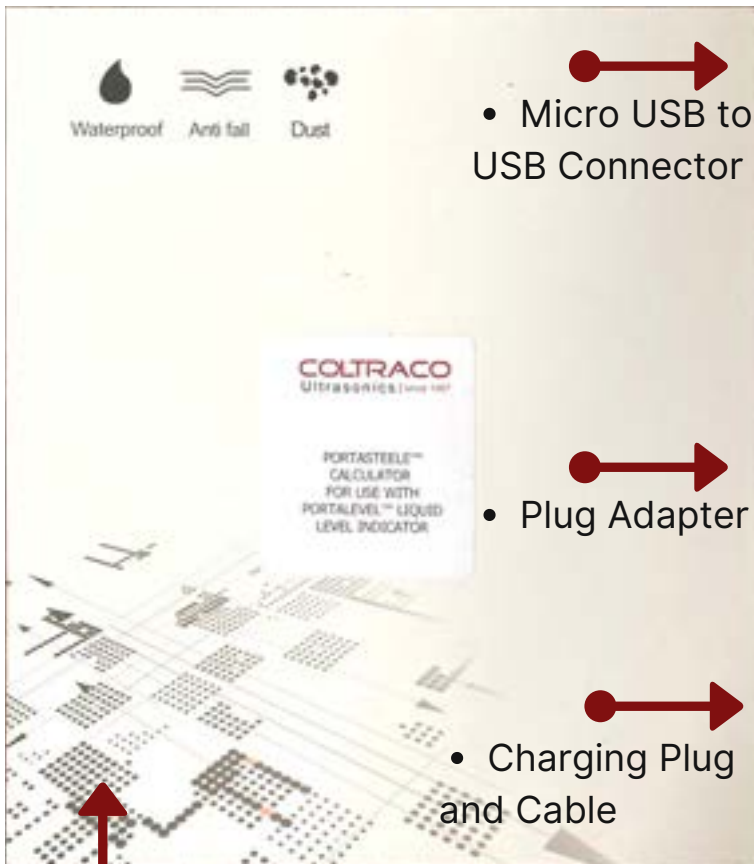
Verifiable Agents	CO2, FM-200®, NOVEC™ 1230, Halon 1301 and 1211, FE-13™, FE-25™. Additional agents please ask. .
Display	7 inch HD touch screen (1280x800pixels) 213
Calculated Result Accuracy	1% of true agent weight
Power Supply - Battery	7000mAh (rechargeable via USB)
Certificates	CE
Classifications	IP67
Dimensions	215.56 x 135.8 x 18.9mm
Weight	555 grams
Warranty	3 Years
Package Contents	1 Portasteele CALCULATOR tablet, 1 Charging Micro USB to USB Cable, Instruction Manual

**Note for existing Portasteele® customers:**

Software Updates available by connecting tablet to WiFi to download the latest update when prompted.

# 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.



• Micro USB to USB Connector

• Plug Adapter

• Charging Plug and Cable



• Main Unit

• Box containing all required to start testing.  
• Not pictured: Instruction Manual



# CUSTOMER CARE COMMITMENT

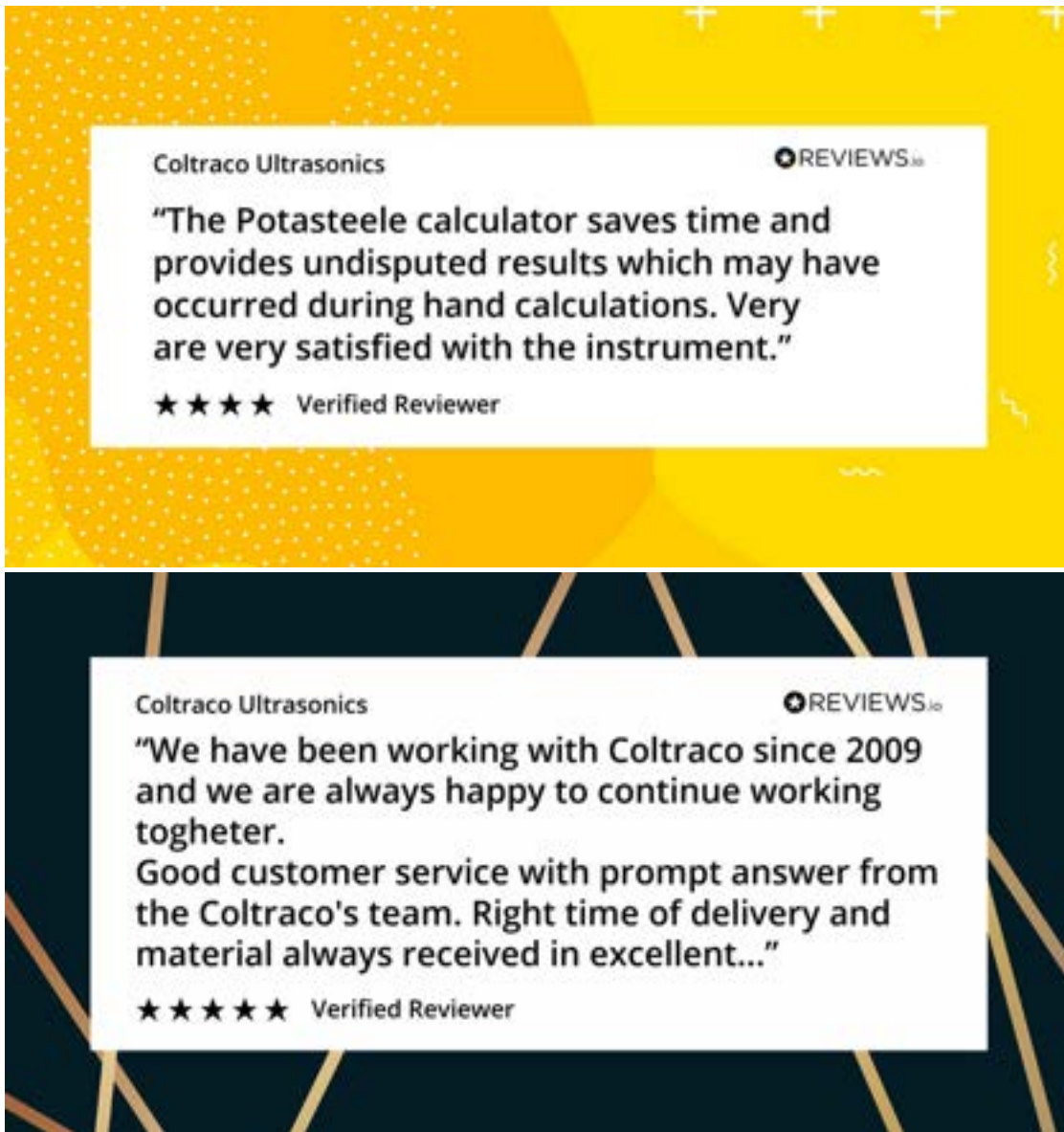
**Technical Support provided free of charge for the unit's lifetime.**

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

OPTIONAL PORTACARE® after sales package for Total Care maintenance.

We have local partners to support you worldwide through our global network of Partners, Distributors and ODA (Organisational Delegated Authorities).

ODAS are Service Centres which provide regional support for caliibration in UK, France, Greece, UAE, India, Singapore and USA.



Coltraco®, Coltraco North America®, Portamarine®, Portalevel®,Permalevel®, Portagauge®, Portasonic®, Portamonitor™, Portasteele™, Portascanner®, Permascanner® , Safesite™, Safesite™ are trademarks or registered trademarks of Coltraco Limited, UK. DuPont ™, FM-200®, FE-25™, FE-13™, and FE-241™ are trademarks or registered trademarks of E.I. du Pont de Nemours and Company and its affiliates. Novec™ 1230 is a trademark owned by 3M.

**COLTRACO ULTRASONICS**

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