

COLTRACO

Ultrasonics | since 1987

[SENSORS.NL](https://www.sensors.nl)

**PORTABLE
ULTRASONIC
LIQUID LEVEL
INDICATOR**

PORTALEVEL® ORIGINAL

BROCHURE

[SENSORS.NL](https://www.sensors.nl)

Introducing the Portalevel® ORIGINAL

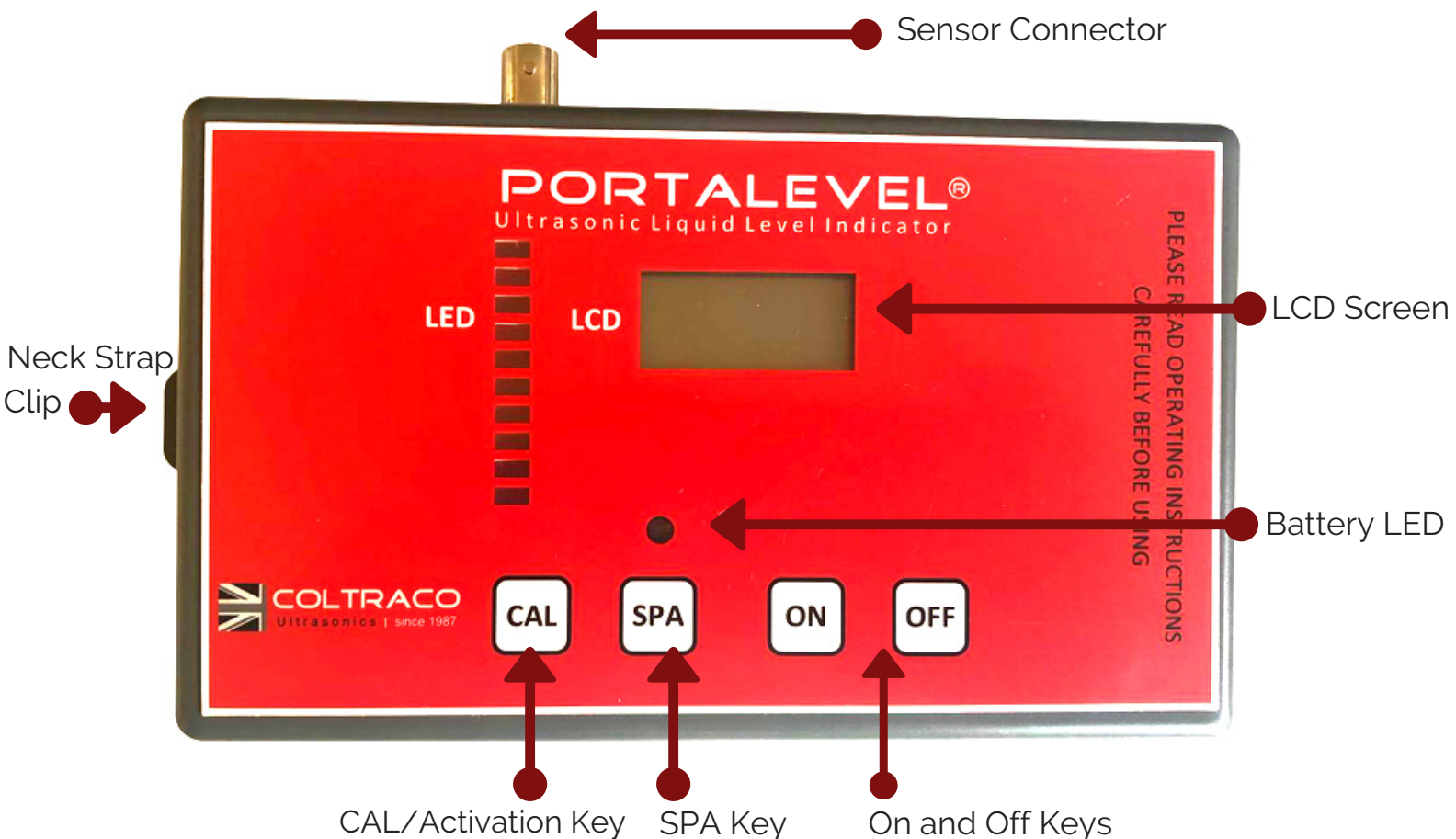
The Portalevel® ORIGINAL is the seventh generation portable ultrasonic liquid level indicator by Coltraco Ultrasonics. Ideal for testing cylinder contents of fire suppression systems - especially CO2.



- **Type** – Portable Ultrasonic Liquid Level Indicator
- **Function** – Designed for servicing of fire suppression systems, such as CO2, FM-200®, Novec™1230 and many more liquefied gaseous agents.
- **Part Number** – 2290334
- **Regulation Compliance:** NFPA, ISO 14520 & IMO SOLAS FSS

ACCURATE, RELIABLE & ROBUST

Meet the Portalevel® ORIGINAL



Advantages of the Portalevel® ORIGINAL

1.

Quick & Easy

non-invasive level measurement

2.

Accurate

to +/- 1.5 mm to the true liquid level

3.

Long Term Reliability

& battery life, lightweight, compact & durable.

4.

Perfect For The Job

Ideal unit for land based fire applications.



5.

Saves Time & Labour

compared to weighing
2 people weighing = 15 mins
1 person Portalevel® = 60 secs

6.

Innovative & Intuitive

technology to inspect cylinders & tanks

7.

Minimise Risk

to personnel (i.e. no back injuries by heaving lifting)

8.

Improve Asset Safety

(protection continues, no need to shut down system)

Benefits of ultrasonics vs. weighing

2 people

15 minutes

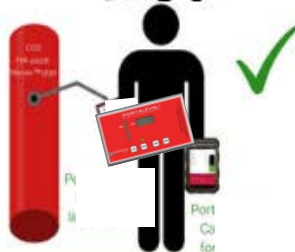
risk*



1 person

60 seconds

safe*



TIME TO IMPROVE FIRE SAFETY.

TIME TO STOP WEIGHING.

TIME TO SAVE TIME & COST.

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

Applications

Fire Safety & Servicing

Must-have tool for inspecting fixed fire suppression systems

High Rise Buildings

Protect high value assets such as these by ensuring fire systems are always full

Power Generation

Minimise fire risk in areas including conventional, nuclear and renewable power plants, transmission & distribution.

Metal & Mining

Minimise fire risk in a fire critical environment



Rail

Ensure fire systems are ready to protect rolling stock and rail facilities

Data Centres & Banks

Protect from shut down and loss of data

Industrial

Minimising fire risk in pharma, food and beverage production and many more

Telecommunications

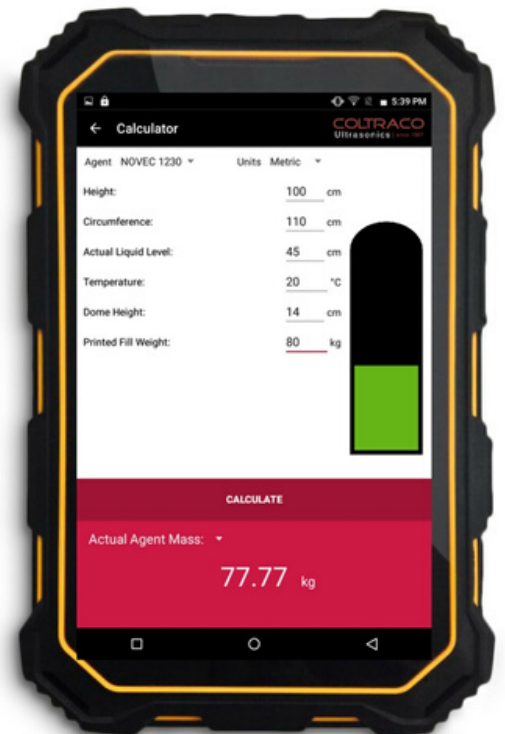
Protect masts and infrastructure from shut down

OPTIONAL: Portasteele® CALCULATOR Convert Level to Weight

Find the liquid level with the Portalevel® ORIGINAL, then choose its perfect partner: **Portasteele® CALCULATOR** to convert the level into weight. Save money and buy together as a Portalevel® package.

4 Super Simple Steps:

1. Input the cylinder specifications
2. Calculate in under 30 seconds
3. Save your results in a database
4. Download in a spreadsheet for easy sharing



YouTube Channel Coltraco Ultrasonics:
youtube.com/watch?v=k4OwBL4GDgY&t=4s

Verifiable Agents

Including but not limited to the common liquefied gaseous fire suppressant agents e.g. CO₂, FM-200®, NOVEC™1230.

How to use a Portalevel® ORIGINAL



It is a simple 60 second method

designed for everyone from Chief Engineers to Technicians & Fire Servicing teams.

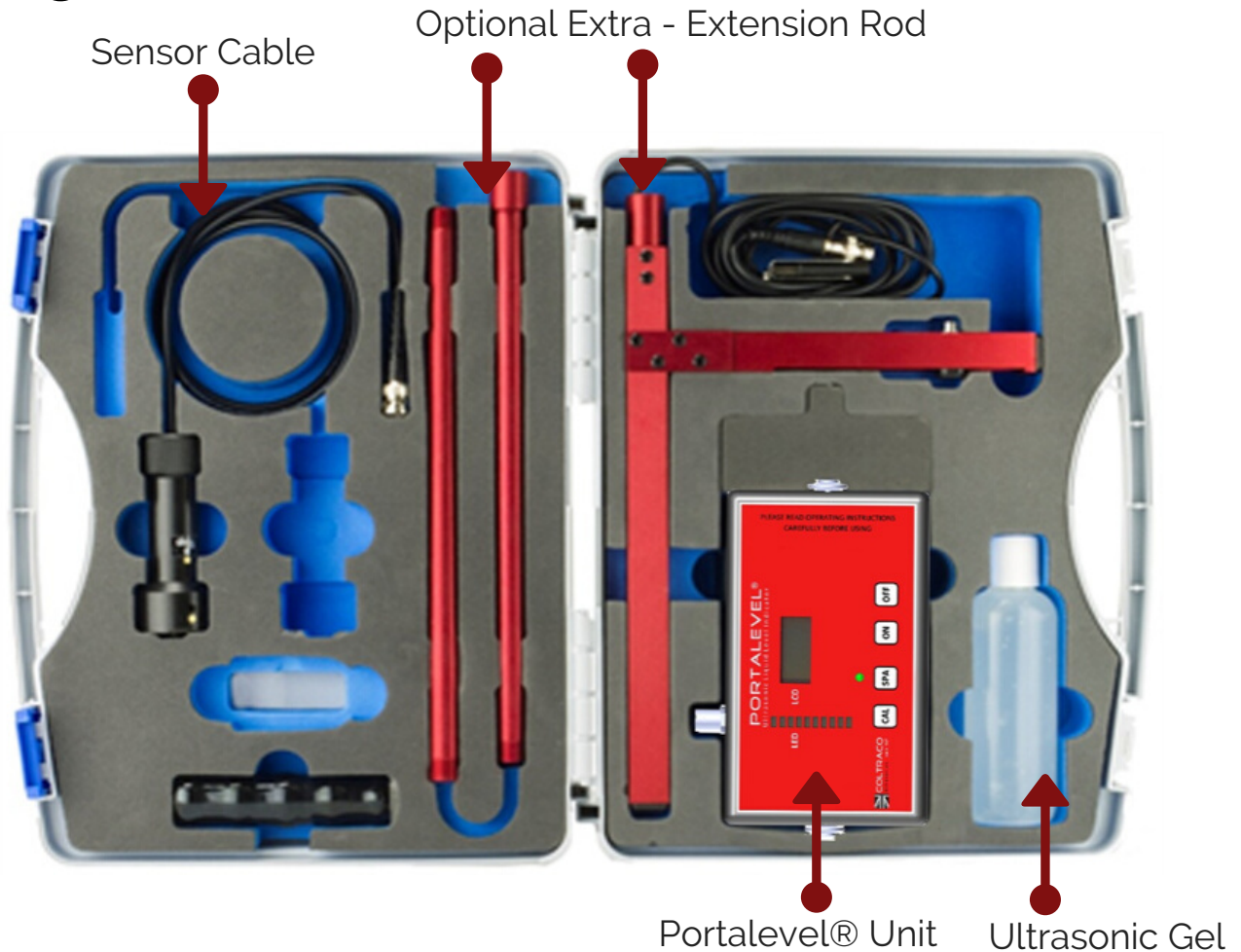
1. Connect main unit and sensor
2. Press the "On" button
3. Place sensor near the top of the cylinder
4. Move sensor down in steps of 5cm / 2 inches to the region with highest readings & press CAL to get a full bar graph
5. Move sensor in steps of 5cm / 2 inches or smaller until the LED graph disappears. This is your liquid level.

Full details in Operating Instructions and YouTube Videos online.



YouTube Channel Coltraco Ultrasonics:
www.youtube.com/user/ColtracoVideos

Package



Stay Compliant With The Regulations

Portalevel® enables you to go above and beyond regulatory compliance.

NFPA Code 2001 Chapter 6 Inspection, Maintenance, Testing, and Training

6.1.3 At least semiannually, the agent quantity and pressure of refillable containers shall be checked

NFPA 12 Standard on Carbon Dioxide Extinguishing Systems

Section 9.4 and Section 4.8.3.4.1 respectively: Cylinder contents checked every 6 months

ISO 6183:2009 Section 9.2.1.3

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

ISO 14520 Regulation Chapter 6 6.2.4.2 & Annex F 5

Regulations for Gaseous Fire Extinguishing Systems and Room Integrity Testing methods.

BS5306-4:2001 9.1.13

At least every six months, the container contents shall be checked. If a container shows a loss of mass of 10 % or greater, it shall be refilled or replaced.

Portalevel® ORIGINAL Technical Specifications

| | |
|-----------------------|--|
| Dimensions | Main unit: 98 x 158 x 45.5mm |
| Weight | 420 grams |
| Accuracy | ±1.5mm (1/8 inch) |
| Sensor | TX/RX sensor 14 mm diameter head contained within a magnetised sensor applicator; connected by BNC connectors to 1m length co-ax cable |
| Power Supply | 4 x AA 1.5V battery (battery life 10 hours) |
| Display | LCD Numeric Digital Display with LED Bar Graph |
| Operating Temperature | -20°C to +70°C (68°F to 158°F) |
| Classifications | RINA Classification Society Accepted |
| Certificates | Coltraco is CE, UKAS ISO 9001 Registered & ISO 14001 |
| Warranty | Main Unit: 3 Years' Warranty Sensor: 1 Year Warranty |
| Package Contents | 1 Main Unit 1 Sensor 1 Ultrasonic Gel Tube 1 Robust Carrying Case 1 Calibration Certificate 1 Operating Instructions |

Why work with us?

Improve your inspections & servicing

COLTRACO CUSTOMER CARE

- Warranty: 3 year for main unit and 1 year for sensor
- Guaranteed against defects in materials & workmanship
- Technical Support for life time of the equipment via telephone/email
- Local Support in our ODA service centres strategically placed globally
- See terms and conditions for details

OPTIONAL TOTAL CARE PACKAGE: PORTACARE®

If you would like enhanced after sales service please ask our sales team about Portacare.®.

CUSTOMER TESTIMONIALS

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Thank you very, very much for the quick response on the Calibration and Repair on our Liquid Level Indicators. My day's been made !

Safety Servicing Company, South Africa, 2018

WWW.COLTRACO.COM

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Coltraco quality is always the assurance for safety, we are proud of yours performance.

- Capt. Thum, RTBS Group, Singapore, 2018

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STORY OF COLTRACO

Since 1987 Coltraco Ultrasonics have been designing and manufacturing ultrasonic instrumentation for safety and servicing. We invented the first ever portable ultrasonic liquid level indicator in '87 and now in its 8th generation.

QUALITY

All of our products are carefully hand built and undergo rigorous quality testing to ensure they meet the high standards expected by our customers, and provide long term reliability.

OPTIONAL: ACCESSORIES

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

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.