



COLTRACO

Ultrasonics | since 1987

PORTABLE ULTRASONIC THICKNESS GAUGE

PORTAGAUGE® 4

BROCHURE

Introducing the Portagauge® 4

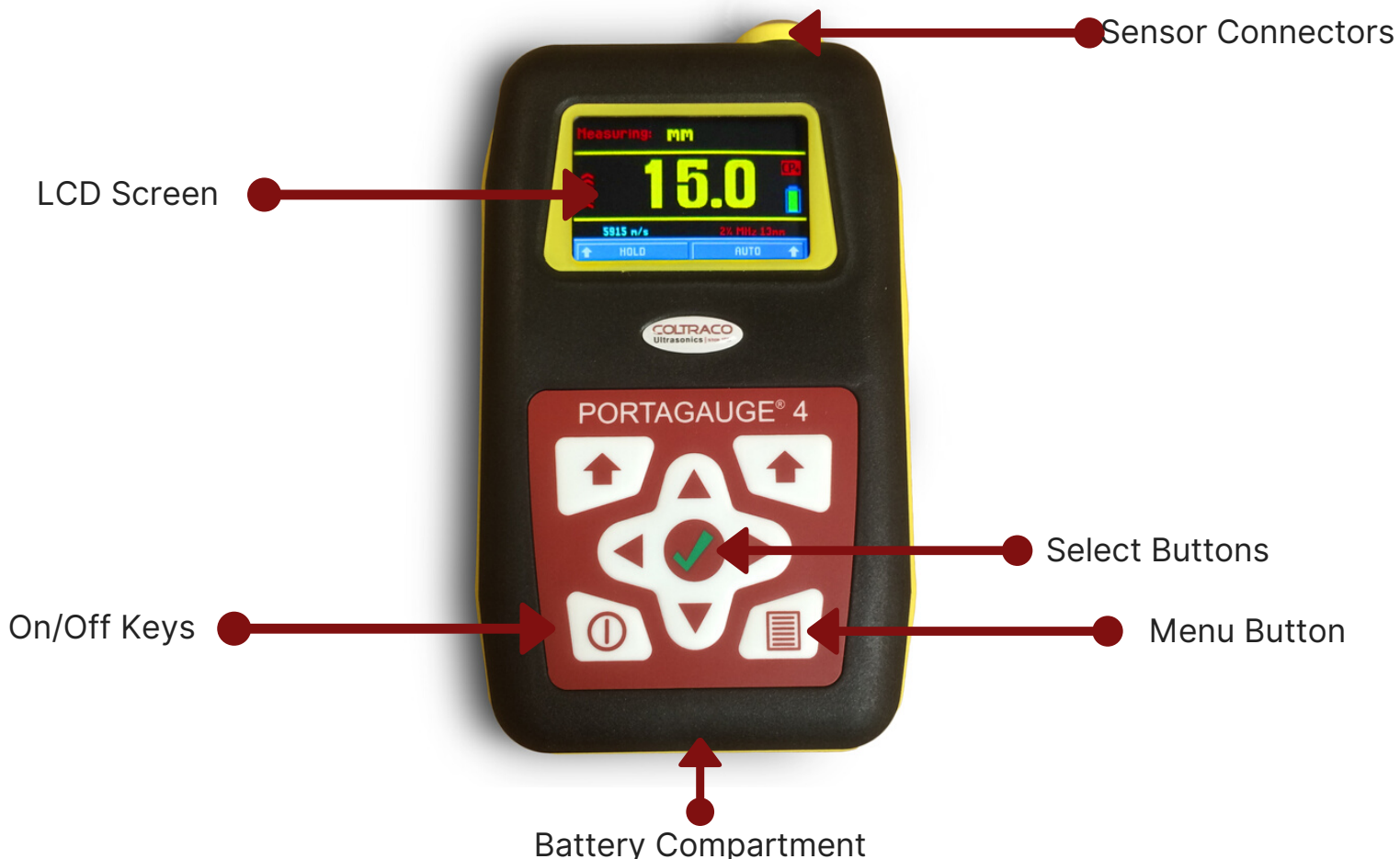
The Portagauge® 4 is our advanced triple echo multigauge

- **Type** – Portable Ultrasonic Thickness Gauge
- **Function** – Used to measure metal thickness and check for corrosion, for metal-only readings, ignoring paint or coating thickness
- **Part Number** – 2099382-PG4



ADVANCED, PRECISE AND INTELLIGENT

Meet the Portagauge® 4



Advantages of the Portagauge® 4

1. Triple Echo technology gives true metal thickness ie. excluding coating and paint thickness.

2. Easy to follow with menu driven buttons.

3. Intelligent Probe Recognition (IPR) automatically adjusts settings at the same time as transmitting recognition data.

4. Single crystal soft faced probe protected by a membrane.



6. Continually measuring to feedback accurate readings on different surfaces

7. User friendly with soft moulded rubber surround which provides extra protection for the main unit.

8. Automatic Measurement Verification System (AMVS) gives a minimum of three echos, giving only true metal thickness readings.

9. No need to scrape off any paint surfaces.

How it works in 4 Simple Steps

1. Connect the sensor to the unit.
2. Press the "On" button on the Portagauge® 4 unit
3. Using the menu button, set the unit to the surface that you are testing.
4. Place the sensor firmly on the surface that you are testing and the Portagauge® 4 will instantly tell you a measurement of the metal thickness in



YouTube Channel Coltraco Ultrasonics:
youtube.com/watch?v=2-m7rAPOtWI&t=136s

Stay compliant with the regulations

Portagauge® 4 enables you to go above and beyond regulatory compliance

NFPA 25 – Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems

9.2.7 Tests During Interior Inspection. Where a drained interior inspection of a steel tank is required by 9.2.6.4, the following tests shall be conducted:

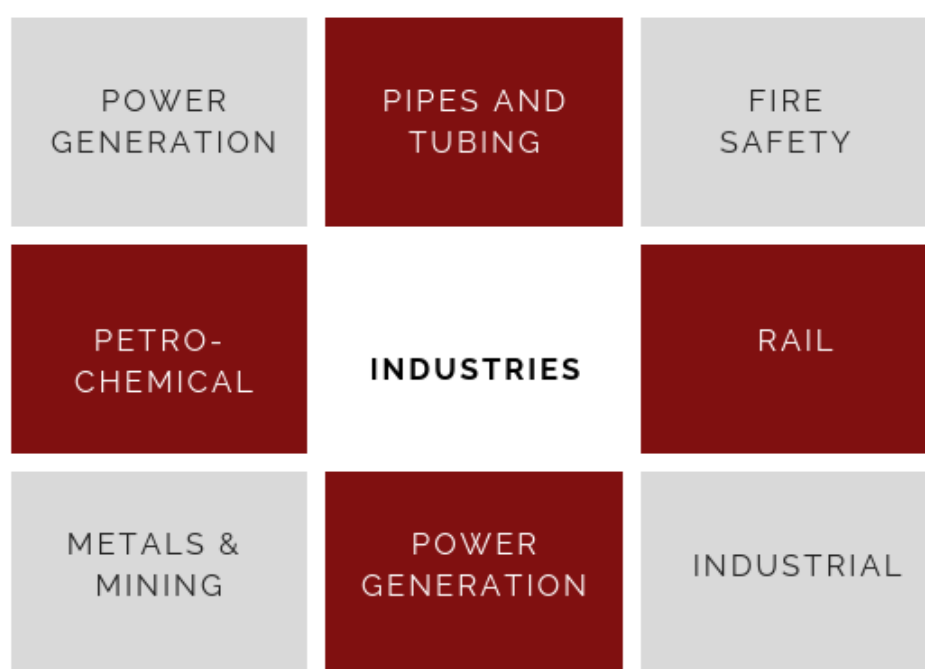
(3) Non-destructive ultrasonic readings shall be taken to evaluate the wall thickness where there is evidence of pitting or corrosion

(5) Tank bottoms shall be tested for metal loss and/or rust on the underside by use of ultrasonic testing where there is evidence of pitting or corrosion

NFPA 13 – Standard for the Installation of Sprinkler System

References made to NFPA 25 for regular inspection, testing and maintenance.

Applications



Portagauge® 4 Technical Specifications

Sound Velocity	From 1000m/s to 8000m/s (0.0394 in/us to 0.3150 in/us)
Single Crystal Soft Faced Sensor Options	2.25 MHz 3.5MHz 5MHz
Sensor Measurement Range	3-250mm 2-150mm 1-50mm (0.120" - 10")(0.080" - 6")(0.040" - 2")
Resolution	0.1mm (0.005") or 0.05mm (0.002")
Accuracy	0.1mm (0.005") or 0.05mm (0.002")
Display	Colour LCD
Batteries	3x disposable AA alkaline batteries or rechargeable NiHM/NiCD
Battery Life	20 Hours continuous use using alkaline batteries
Recommended For	Steel/Stainless Steel, Cast Iron, Aluminium, Copper, Brass, Zinc, Quartz, Glass/PVC, Polyethylene, Grey Cast Iron
Gauge Dimensions	147mm x 90mm x 28mm (5.75" x 3.5" x 1")
Gauge Weight	325 g (11.5 ounces) including batteries
Environmental	Case rated to IP65, RoHS and WEEE compliant
Operating Temperature	-20 to +70C
Storage Temperature	-10C to +60C (14F to 140F)
Compliant	British Standard BS EN 15317:2007 which covers the characterisation and verification of ultrasonic thickness measuring equipment

Accessories

2.25 MHz Probe 19mm (3 – 250mm)

2.25 MHz Probe 13mm (3 – 250mm)

3.5 MHz Probe 13mm (2 – 150mm)

5 MHz Probe 13mm (1 – 50mm)

5 MHz Probe 6mm (1 – 50mm)

1 MHz Probe 19mm (for GRP purposes)



Leather Carrying Case

Please ask for details of other spares such as oil, batteries and cases.



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 Ultrasonics

★REVIEWS.io

"The instruments acquired by Benguella Enterises (Pty) Ltd has enabled our technicians to work faster delivering accurate undisputed test results. The staff at Coltraco has been truly most supportive and professional during the years of dealing with them. We can vouch for a..."

★★★★★ Verified Reviewer

Coltraco Ultrasonics

★REVIEWS.io

"We have been working with Coltraco since 2009 and we are always happy to continue working together. Good customer service with prompt answer from the Coltraco's team. Right time of delivery and material always received in excellent..."

★★★★★ Verified Reviewer

★REVIEWS.io

★REVIEWS.io



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