THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

COLTRACO Ultrasonics | since 1987

Introducing

PORTAGAUGE® 5

New Handheld Ultrasonic Multiple Echo Thickness Gauge



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The **Portagauge® 5** is the brand new multiple echo thickness gauge for measuring thicknesses of various metals and plastics and monitoring pipework corrosion.

Combining all of the benefits of our previous range, this is the most intuitive, robust and accurate thickness gauge on the market.



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- **Type** – Handheld Ultrasonic Multiple Echo Thickness Gauge
- **Function** – Designed for testing the thickness of metals and plastics and pipework corrosion.
- **Regulation Compliance**: IACS, NFPA

Accurate

- Ignores paint coating up to 20mm
- True metal thickness only
- Unbeaten accuracy of 0.01mm
- Oscilloscope to improve accuracy

Versatile

- Different frequency sensors
- 2.25 MHz, 5 MHz, 7MHz
- Flexibility to cover all applications, both onshore & offshore

Easy to Use

- Built in material database, with a choice of 12 different materials pre-loaded

ADVANTAGES OF THE PORTAGAUGE® 5

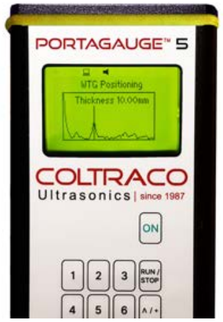
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Multiple-Echo
Ignores paint coating layers up to 20mm in thickness

Built-in Material Database
12 different materials pre-loaded, inc. metals and plastics

A-Scan Functionality
To observe material condition and verify correct return backwall echo

Oscilloscope
Trace to improve your measurement accuracy



Durable
Portable, lightweight and robust

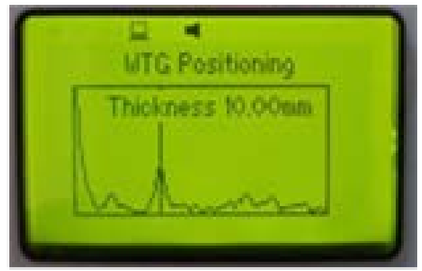
LCD Display
Built-in backlight to allow you to work in those often dark and poor spaces

Customisation
Different frequency sensors, and ability to input sound veolicity to test custom materials

Approvals
Meet NFPA & classification society requirements for marine thickness gauging inspection equipment





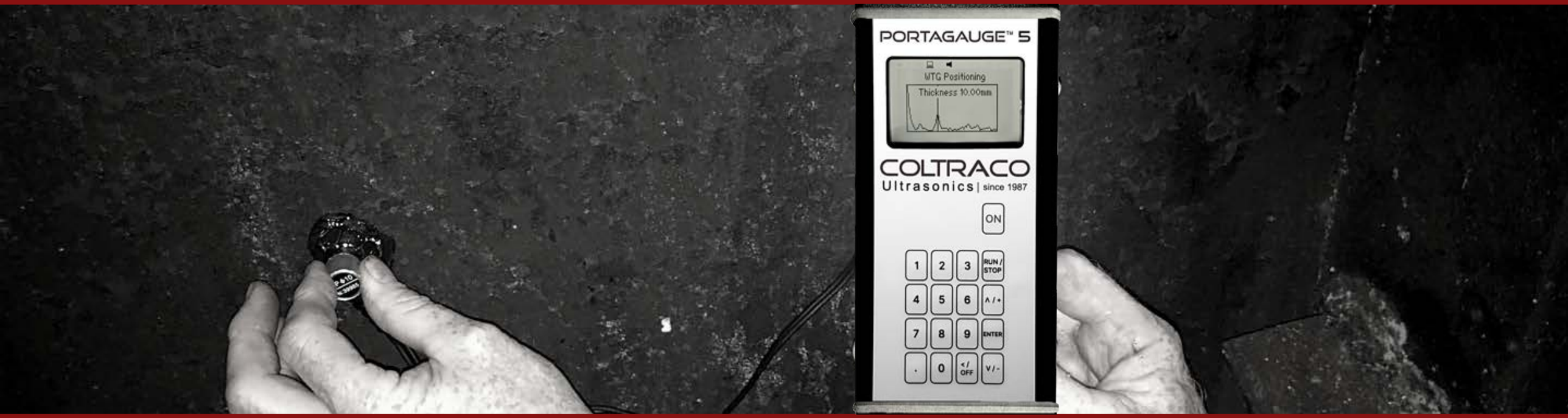




HOW TO TEST IN 30 SECONDS: 4 SIMPLE STEPS

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1. **Connect** sensor and turn device ON
2. **Press** ENTER to select "Quick Start"
3. **Select** sensor and material type from the list
4. **Measurement** process will begin and you can then press ENTER to cycle different display options.



STAY COMPLIANT WITH REGULATIONS

IMPROVE YOUR SAFETY TODAY.

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FIRE

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.

MARINE

IACS
Specific requirements from IACS Procedural Requirements PR No. 19 and No.77

DNVGL
DNVGL-CG-028 – Section 3 – Basic Requirements

5) Only multiple echo instruments may be used for TM onboard all ships



TECHNICAL SPECIFICATIONS

DIMENSIONS	Main unit: 168 x 82 x 31mm Weight: 400 grams
MATERIAL TYPES	Carbon Steel, Stainless Steel 304, Stainless Steel 316, Cast Iron, Ductile Iron, Copper, PVC, Lead, Nylon, Polyethylene (PE), Aluminium, Asbestos, Fibre Glass, Glass
FREQUENCY	2.25 MHz, 2.5 MHz, 5.0 MHz, 7.0 MHz
SENSOR TYPE	Dual element with 0.9m LEMO-00 cable
PACKAGE CONTENTS	1 x Portagauge® 5 Main Unit 1 x Dual-Element Ultrasonic Thickness Gauge Sensor 1 x 5mm Metal Test Block 1 x Ultrasonic Gel 1 x Calibration Certificate 1 x Operating Instructions 1 x Carrying Case

ACCURACY	+/-0.01mm
OPERATING TEMPERATURE	-10°C to +65°C (68°F to 158°F)
DISPLAY	Full 128 x 68 pixel graphics with backlight for poor visibility conditions
WARRANTY	Main Unit: 3 Years Warranty Sensor: 1 Year Warranty Lifetime Customer Support
POWER	1 x PP3 9V battery (12 hours)
MEASUREMENT UNITS	Metric (mm) and Imperial (inches)
IP RATING	Main Unit: IP 65 enclosure
APPROVALS	CE Meets marine classification society requirements Coltraco is ISO 9001: 2015 and ISO 14001 approved

OUR CUSTOMER CARE COMMITMENT

THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

Global Support

You can receive worldwide support through our network of Global Partners, Distributors, and Service Centres (ODA's).

More than 110 Exclusive local distributors, in over 70 countries.

Service Stations worldwide including:

- Europe - UK, Turkey
- Middle East - UAE
- Asia - India, Singapore
- Australia
- USA - Florida
- Central America - Trinidad
- South America - Brazil

With every Coltraco purchase you receive FREE Lifetime Technical Support in addition to your 3 year warranty on the main unit and 1 year on the sensor.



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