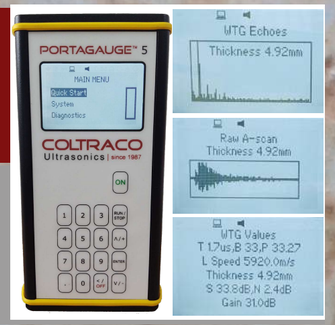
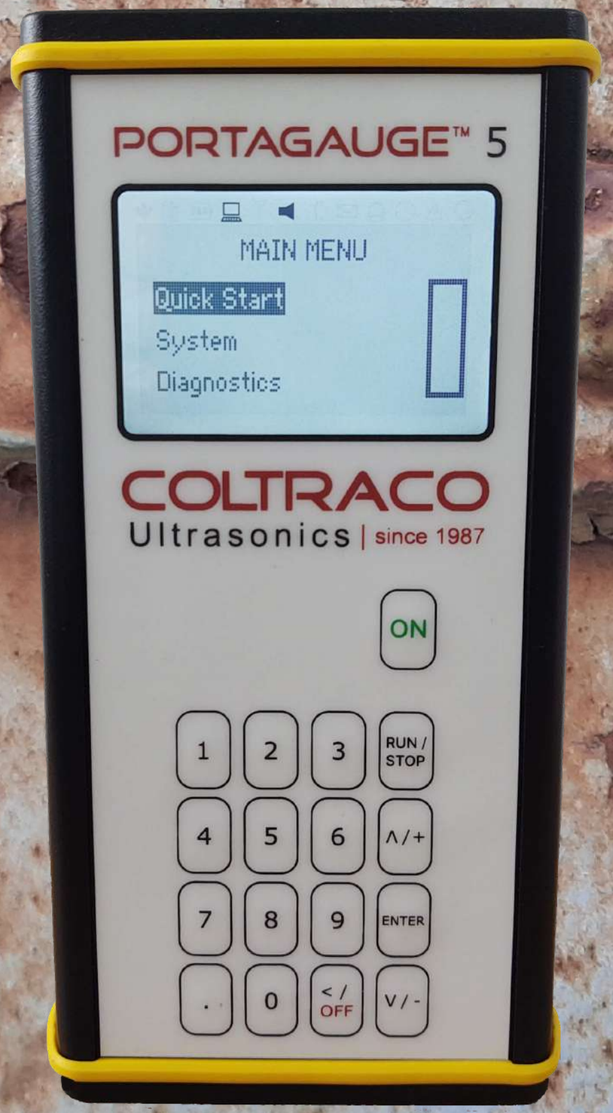
THE QUEEN'S AWARDS FOR ENTERPRISE: INTERNATIONAL TRADE 2019

INTRODUCING PORTAGAUGE® 5

New Handheld Ultrasonic Multiple Echo Thickness Gauge





INTRODUCING THE PORTAGAUGE® 5

What is it?: The Portagauge 5 is a multiple echo ultrasonic thickness gauge that is tested and calibrated according to BS EN 15317:2013 standards on a calibrated carbon steel block that is manufactured to EN ISO 2400:2012 and ISO 7963:2006 standards.

What is it for?: It is a highly accurate and reliable thickness gauge for measuring the thicknesses of metals, plastics and pipework corrosion, and ignores any paint coating up to 20mm in thickness.

- **Type** – Handheld Ultrasonic Multiple Echo Thickness Gauge
- **Function** – Designed for testing the thickness of metals and plastics and pipework corrosion.
- **Standards and Regulation Compliance**: Meets standard BSEN 15317-2013. Meets Marine Classification Society Requirements: IACS NFPA

Accurate

- Ignores paint coating up to 20mm
- True metal thickness only
- Unbeaten accuracy of 0.1mm and resolution 0.01mm
- Includes A-scan and oscilloscope functionality

Versatile

- Different frequency sensors
- 2.25 MHz, 2.5 MHz and 5 MHz
- Flexibility to cover all applications, both onshore & offshore

Easy to Use

- Built in material database, with a choice of 12 different materials pre-loaded
- LCD Backlight for working in poor visibility

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ADVANTAGES OF THE PORTAGAUGE® 5

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

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

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

ABOUT COLTRACO ULTRASONICS

Headquartered in London, is a global company and is principally engaged in the research, design, development, manufacture, integration and sustainment of high-exporting advanced technology systems, products and services.

Operating across a diverse array of 25 Market Sectors, from shipping to safety engineering, from process control to mining, from offshore energy to renewables, to healthcare, the built environment, naval and space, Coltraco Ultrasonics develops ultrasonic technologies to “see the sounds that others cannot hear” and, in our acoustic and mechanical systems, to “measure the hitherto unmeasurable”. Across both, we monitor and measure an array of specialised environments to deliver the Safesite™ on land and the Safeship™ at sea.

Our organisation comprises: A. the company; B. our laboratory, which is co-located with the Centre for Advanced Instrumentation at Durham University; C. our research organisations, the Durham Institute of Research, Development & invention (DIRDI) and D. its Centre for Underwater Acoustic Analysis (CUAA).

In our research at DIRDI we undertake fundamental research into the physical laws of the universe, alongside applied research in Physics, Mathematics, Engineering and Computer Science in acoustics, electromagnetism and information engineering. We identify and nurture brilliant minds, creating a unique research environment at Durham University, which is a globally outstanding centre of teaching and research excellence.

It is this research and manufacturing excellence, and our enduring commitment to the sustainment of our technologies in the field, that makes Coltraco Ultrasonics the partner of choice for customers and distributors in 120 countries.

We aim to deliver genuine value for our customers through our scientific and institutional values, and the global quality of our commercial and technical services.

OUR CUSTOMER CARE COMMITMENT

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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