COLTRACO
Ultrasonics | since 1987



PORTAPIPE®

Ultrasonic Liquid Level Indicator for Pipes

Made in the UK.

CALL +44 207 629 8475 | SALES@COLTRACO.CO.UK |
WWW.COLTRACO.COM/COLTRACO-PRODUCTS/PORTAPIPE

INTRODUCING THE PORTAPIPE®

The **Portapipe®** is a portable and battery powered liquid level indicator designed to non-invasively, accurately, and reliably measure the level of liquid within a pipe. The Portapipe® can be applied to both vertical and horizontal pipes from 25mm/1inch to 330mm/13inch diameter to provide a precise result within ±1% of true level.

Type: Portable Ultrasonic Liquid Level Indicator
P/N: 3174740-PIPE
Fluid Types: It has a built-in database which includes commonly used fluids such as Water (at 10°C, 20°C or 30°C), Sea Water, Diesel, Petrol, Fuel Oil, LPG, Ethanol, FK-5-1-12, Freon R134A, Freon R22, HFC-227ea, Methanol, FM200™, NOVEC™ 1230 and many more. Add any fluid simply by inputting its speed of sound.
Pipe Materials: Features a built-in database of commonly used pipe materials, including carbon steel, copper, PVC, and fibreglass, along with their respective sound speeds. Add any custom material type simply by inputting its speed of sound.





Food and Beverage Industry



Sprinkler Systems



Water Treatment Plants



Power Plants

ADVANTAGES OF PORTAPIPE®

k and easy to



CLEAR AND ACCURATE READINGS

given a pipes,
pender

DUAL CAPABILITY

both ti e detection
ms fo

PRECISION

ope t tionality allow erifying cor
obse erial condition nsuring pre
ments

ADAPTABILITY

metric rs) and imperial (
dimens

HOW DOES IT WORK?

The **Portapipe®** features **two distinct mechanisms** for detecting liquid levels and measuring a wide variety of fluid types and pipe materials

Horizontal Pipes

Test horizontal pipes using the Time of Flight Method:

- The sensor is placed at the bottom of the pipe and the **Portapipe®** accurately measures the height of the liquid in the pipe
- This measurement is displayed on the screen as a 'percentage of fullness' based on the diameter of the pipe.



Vertical Pipes

Test vertical pipes using the Absence / Presence Method:

- As the sensor is moved up and down the pipe, the **Portapipe®** indicates whether liquid is present or not.
- The presence of liquid is shown on the screen through a bar graph



TECHNICAL DATA

Dimensions	166 x 82 x 31mm (L x W x D)
Unit Weight	300g (with battery)
Power Supply	1x 9V PP3 battery
Battery Life	12 Hours' Continuous Use
Sensor Types	14 mm Magnetically Mounted (code DE2.5-14) 6 mm Magnetically Mounted (code DE5.0-6)
Sensor Connectivity	0.9m LEMO-00 Cable
Sensor Frequency	2.5 MHz (code DE2.5-14) 5.0 MHz (code DE5.0-6)
Display	128x68 Backlit LCD
Operating Temperatures	-10 °C to +65 °C (14 °F to 149 °F)
IP Rating	IP65 Rating (Enclosure)
Fluid Types	Pre-programmed: Water (at 10°C, 20 or 30), Sea Water, Diesel, Petrol, Fuel Oil, LPG, Ethanol, FK-5-1-12, Freon R134A, Freon R22, HFC-227ea, Methanol. (Any fluid can be added by entering speed of sound).
Registrations and approvals	UKCA, CE, Coltraco is ISO 9001:2015 and ISO 14001 registered
Warranty	Main Unit: 3-Year Warranty Sensor: 1-Year Warranty Technical Support: Lifetime of the unit

WHAT'S IN THE BOX?



OUR THROUGH-LIFE COMMITMENT TO YOU



ABOUT COLTRACO ULTRASONICS

"To see the sounds that others cannot hear"

"To measure the hitherto unmeasurable"

Company
Laboratory

Research Organisations

Centre for Underwater Acoustic Analysis

BY BEING SCIENCE-LED:

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.

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.

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

Safeship™
Today our instruments are aboard 20% of the world's 60,000 ships, preventing ships' catastrophic failure, by monitoring watertight integrity on the one hand, and the safe contents of fire extinguishing gases such as CO2, on the other. These are the basic principles by which we became a Safeship™ company in the maritime sector.

Safesite™
Our instruments serve over 20 market sectors, to ensure that safety critical systems, such as gaseous fire suppression systems, sprinkler systems and process control equipment, in high value assets always work effectively, and in the Built Environment, the ability to concurrently identify airtightness and energy loss. This is how we are a Safesite™ company, on land.

Contact and support

Coltraco Ultrasonics
NETPark Research Institute
Joseph Swan Road
Sedgefield
TS21 3FB
United Kingdom

sales@coltraco.co.uk
+44 20 7629 8475
www.coltraco.com

British manufacturer of ultrasonic technologies, exporting to 120 countries and twice winners of The Queen's Award 2019 and 2022.