

P/N: 3141184-TANK Handheld Ultrasonic Liquid Level Indicator for Industrial Tanks



PRODUCT SUMMARY

The Portatank® is a portable, handheld liquid level indicator specifically designed for use on larger vessels in industrial contexts. It uses far-wall detection to give a binary YES/NO indication to an operator of the presence of liquid within the tank which makes liquid level indication a quick and reliable process. The Portatank® has adjustable settings for frequency, gain, and handoff time, which allows for the device to be adjusted between different tank sizes and geometries, or to accommodate for external corrosion like rust. The oscilloscope (included) allows for advanced diagnostics to be taken

We strive to offer the highest quality instruments, built with exceptional quality materials in the UK and remain competitively priced in the market worldwide through our unique R&D position.

Some of the key advantages of Portatank® over our competitors:

- 1. Easy to use device with a quick measurement process involving only a single operator increases the efficiency and decreases the footprint of the measurement process.
- 2. The Portatank®'s portable nature means no permanent installation is required; no drilling or interaction with the tank structure beyond applying the sensor maintains the tank's integrity.
- 3. Non-invasive measurement process means the tank is never opened and the contents are never contacted. This eliminates the risk of contaminating the contents and removes any downtime during the measurement process.
- 4. The Portatank®'s handheld size means it can be used as a complimentary or supplementary device to tanks with built-in measurement systems to verify accuracy or continue monitoring during maintenance.
- 5. The high level of accuracy makes Portatank® a significant improvement on traditional internal measurement devices which require permanent installation and modification of the tank.
- 6. Clear indication using a single LED makes identifying the liquid level a simple process which can be conducted in low visibility or problematic industrial settings.
- 7. Battery life of up to 6 hours continuous use with 4 standard 1.5V AA batteries for easy replacement.
- 8. Technical support and advice available throughout the lifetime of the unit and we are here to help you with your application.

For more information, please send an enquiry to us at sales@coltraco.co.uk or call +44 20 7629 8475

SPECIFICATIONS

MAIN UNIT DIMENSIONS	168mm (L) x 79mm (W) x 44mm (D)
WEIGHT	520g (with batteries)
DIAMETER RANGE	0.5m – 15m
TANK WALL MATERIAL	Works with most metals, plastics and glass.
FLUID TYPES	Standard uniform industrial-use liquids: most oils, coolants, fire suppression agents, water.
ACCURACY	± 10mm
FREQUENCY	200KHz, 500KHz, 1MHz, 2MHz
DISPLAY	Visual LED indication
ADDITIONAL FEATURES	• Includes an oscilloscope which plugs into the Portatank® to allow easy set-up and troubleshooting across a wide range of tank sizes, geometries, and materials. • Single LED indication allows for a streamlined and clear measurement process. • Adjustable frequency and gain allowing for a single device to be used on multiple tanks of different sizes or materials.
POWER SUPPLY	4x AA (1.5V) batteries offering 6 hours of continuous use.
OPERATING TEMPERATURE	• Main Unit: -20°C to +70°C • Sensor: -20°C to +70°C
SENSOR TYPE/ OPTIONS	• The standard sensor is a 500KHz 20mm diameter stainless steel sensor (allows for most liquids to be measured in tanks 0.5m-15m in diameter) • Other sensors are available on request at the 200KHz, 1MHz, 2MHz frequencies. These may be more suitable for certain industrial applications.
CERTIFICATIONS	• CE, UKCA • Coltraco is ISO 9001:2015 and ISO 14001 approved
WARRANTY	Main Unit: 3 years, Sensors: 1 year Lifetime customer support
PACKAGE CONTENTS	• Portatank® Main Unit • Handheld Ultrasonic Sensor • Handheld Oscilloscope with Micro USB cable • 2x 1m BNC coaxial cable • Water-based Ultrasonic Couplant Gel • User Manual • Calibration Certificate • Robust Carrying Case