



Arthur D Riley & Co Ltd

**WATERMETRICS**

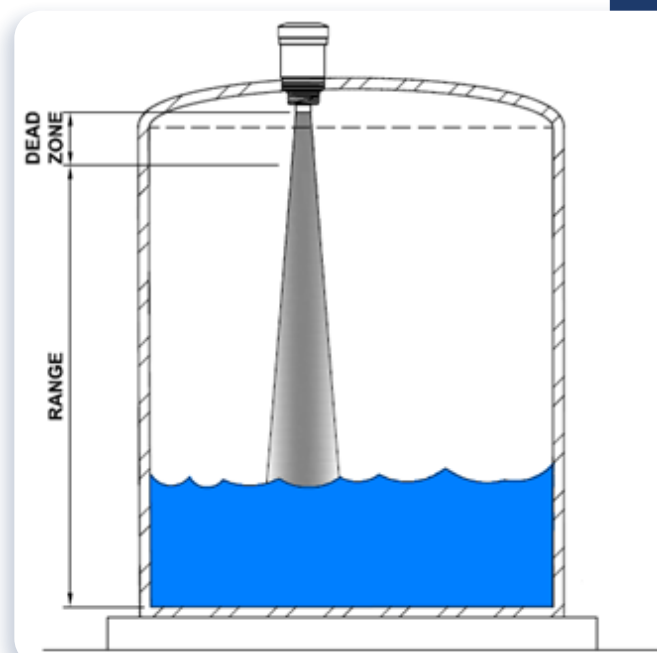


# Ultrasonic Level Sensor

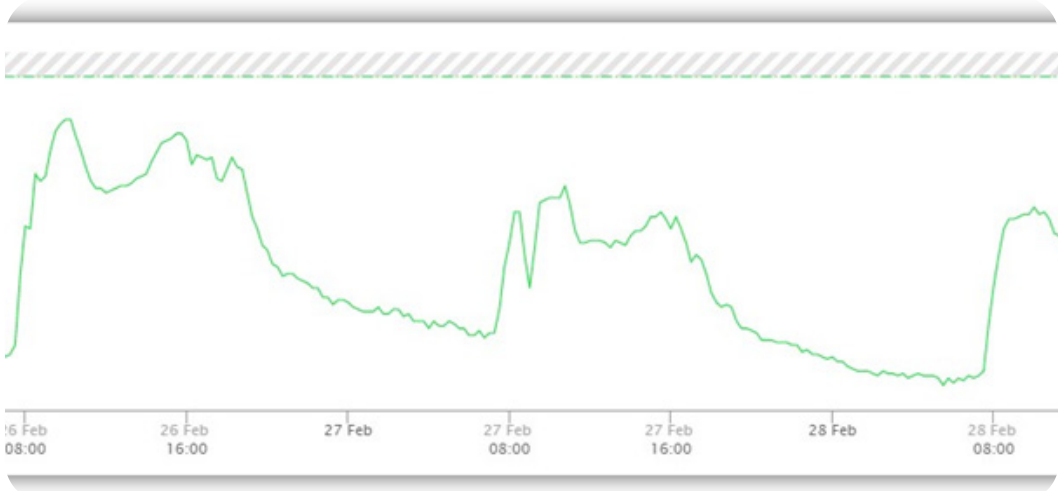
The Watermetrics Tank Level sensor is a LoRaWAN Distance Detection Sensor

The distance detection sensor is a module that uses ultrasonic sensing technology for distance measurement, and temperature compensation is performed internally to improve the reliability of data. It measures the distance between the sensor and a flat object (Liquid within the tank). With a 280mm dead zone the sensor is very accurate and has a measuring range of 280mm - 7500mm making it suitable for all tank sizes and shapes.

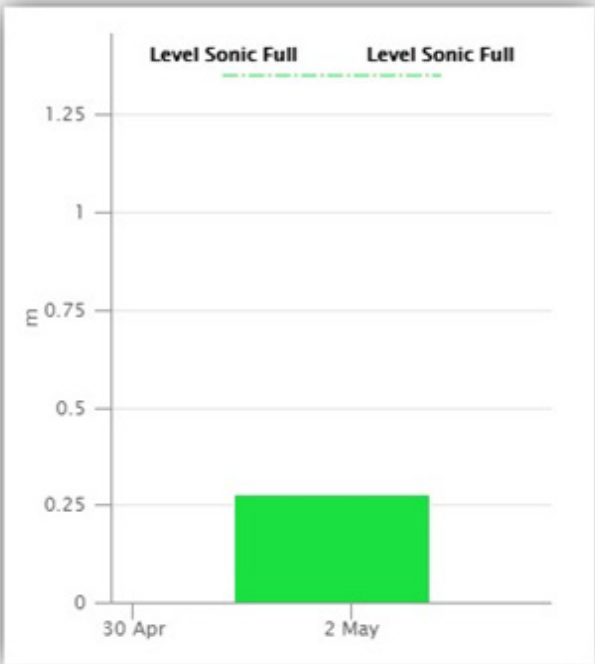
With a 4000mAh / 8500mAh Li-SOCI2 battery, it is designed for long term use up to 10 years. (Actually, Battery life depends on the use environment, update period.)



The measured values are uploaded via wireless connection to Watermetrics LoRaWAN Gateways. Information is displayed on the Watermetrics portal as the below graphs showing both current level and providing an oversight on water usage from the tank.



The Watermetrics portal allows alarm values to be set for current and low-level warnings which means the Watermetrics Tank Level sensor allows you to monitor your tank remotely and ensure your tank never runs dry.



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