



Using Ultrasonic waves **TANK ALERT** monitors the level of useable liquid in commercial or domestic tanks up to 3m in height from the comfort of the home or office.

Simply fit the transmitter to most standard storage tanks (plastic or steel) up to 3m in height. The receiver is plugged into a mains power outlet up to 200m away to display the liquid level in 10 height graduations with centimetre accuracy.

## FEATURES

- Suitable for use in tanks for the storage of water, diesel fuel, kerosene, gas oil types A2, C1, C2 and D as defined by BS 2869.
- Transmitter screws directly into a 2", 1½" or 1¼" BSP gauge (60mm/48mm/42mm) existing tank connection. Alternatively drill 60mm hole and use the included self-taping screws.
- Optional 'low liquid level' audible warning included.
- Displays liquid level in 10 height graduations.
- Long lasting battery inside transmitter.
- Mains powered receiver.
- RF wireless range of up to 200m.
- Full 1 year warranty subject to normal conditions



## Specification

Characteristic	Transmitter	Display Receiver (with mains plug)
Dimensions	88mm (W) x 88mm (L) x 145mm (H) ±1mm	AUS/NZ: 50mm (W) x 59mm (D) x 199mm (H) ±3mm
Weight	143g	AUS: 71g
Housing Material	UV Stabilized Polypropylene	ABS
Operating temperature	-10°C to 60°C <b>(Note 1)</b>	-10°C to 60°C
Storage Temperature	-20°C to 60°C <b>(Note 1)</b>	-20°C to 60°C
Altitude range	<2Km above sea level	<2Km above sea level
Environmental Protection	IP67 - Outdoors	IP44 Indoors only
Radio frequency	NZ/AUS: 433.92 MHz FM	N/A
Radio output power	NZ/AUS: 5dBm +/- 2dBm	N/A
Receiver Sensitivity	N/A	-100dBm to -110dBm @ 0.001 BER
Ultrasonic range	>12cm to <3M <b>(Note 2)</b>	N/A
Ultrasonic signal diversion	30° <b>(Note 3)</b>	N/A
Material compatibility	<b>(Note 4)</b>	N/A
Power requirements	VARTA CR2430 3V Li-Manganese dioxide / Organic Electrolyte (fitted)	EU/UK/NZ/AUS: 230V AC 50-60Hz, 20mA
Battery life	> 5 Years	N/A
Humidity range	15% - 95%	15% - 95%
LCD Display	N/A	10 digit bar graph with icons

## Accessories

Tank mounting options	Drill 60mm hole and secure to tank using 2 x self tapping screws Screws directly into 1 ¼", 1 ½" or 2" BSP existing tank connection
Gasket (included)	Material EPDM, Ø88mm x 4mm (H) ±1mm Distance between hole centres 75mm ±1mm
Screws (included)	No.8 X 19mm Panhead Pozi-drive Stainless steel
Stabiliser support	Optional extra to maintain horizontal alignment on tanks with angled top.

**Note 1:** Storage and operation above 20°C may reduce battery life.

**Note 2:** Based on a measurement to a flat liquid target of size 30cm<sup>2</sup>. Option to extend range to 5m on some models.

**Note 3:** The maximum spatial diversion of the ultrasonic signal will be < 30° from the central axis of the transducer.

**Note 4:** Suitable for use in tanks for the storage of water diesel fuel, kerosene, AdBlue, gas oil types A2,C1,C2 and D as defined by BS2869