

JoJo Tanks

JOJO TANK ALERT

TANK SENSOR (TEK - 377)

JoJo's ultrasonic liquid sensor provides accurate and reliable liquid level measurement.

One of the most important accessories for your JoJo water tank is a device to monitor your water level. That is exactly what the consumer friendly JoJo Tank Alert does! This wireless monitor contains an electronic gauge that accurately and reliably measures the water level in your tank and transmits the information to a receiver located in your home. Communication distance to the receiver is typically greater than 200m and measurement resolution is down to 1 cm.

APPLICATIONS

- Fuel tanks - Oil, kerosene, AdBlue
- Commercial or domestic water tanks
- Interior, exterior & underground tanks
- Double skinned/bunded tank



BENEFITS

- Monitor tank levels from the comfort of your own home
- Easy to install
- Measurement resolution of 1cm
- Communication distance to receiver typically greater than 200m (150 ft USA variant)
- Mains powered receivers with display available with EU, UK, USA, AUS/NZ plug formats
- RMS Compatible for longer distances (PTSN & GSM Modems)
- CE Conformance and ROHS Compliant
- Long lasting battery
- Minimum 1 year warranty

SPECIFICATIONS

CHARACTERISTIC	TRANSMITTER	DISPLAY RECEIVER (WITH MAINS PLUG)
Dimensions	70mm (W) x 40mm (L) x 138mm (H) ± 1mm	EU: 50mm (W) x 70mm (D) x 199mm (H) ± 3mm UK: 50mm (W) x 55mm (D) x 199mm (H) ± 3mm USA: 50mm (W) x 51mm (D) x 135mm (H) ± 3mm AUS/ZN: 50mm (W) x 59mm (D) x 199mm (H) ± 3mm

CHARACTERISTIC	TRANSMITTER	DISPLAY RECEIVER (WITH MAINS PLUG)
Weight	78g	EU: 70g UK: 70g US: 60g AUS: 71g
Housing Material	UV Stabilized Polypropylene	ABS
Operating Temperature	-10°C to 60°C (Note 1)	-10°C to 60°C
Storage Temperature	-20°C to 60°C (Note 1)	-20°C to 60°C
Altitude range	<2km above sea level	<2km above sea level
Environmental Protection	IP67 - Outdoors	IP44 Indoors only
Radio Frequency	EU/UK/NZ/AUS: 433.92 MHz FM USA: 914.5 MHz Fm	N/A
Radio output power	EU/UK/NZ/AUS: 5dBm +/- 2dBm USA: 0dBm +/- 2dBm	N/A
Receiver Sensitivity	N/A	-100dBm to -110dBm @ 0.001 BER
Ultrasonic range	>12cm to <3M (Note 2)	N/A
Ultrasonic signal diversion	30° (Note 3)	N/A
Material compatibility	(Note 4)	N/A
Power requirements	VARTA CR2430 3V Li-Manganese dioxide / Organic Electrolyte (fitted)	N/A
Battery life	>5 Years	EU/UK/NZ/AUS: 230V AC 50-60Hz, 20mA USA: 115V AC 60Hz, 30mA

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 30cm².

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

CHARACTERISTIC	TRANSMITTER	DISPLAY RECEIVER (WITH MAINS PLUG)
Humidity range	15% - 95%	15% - 95%
LCD Display	N/A	10 digit bar graph with icons
Ultrasonic Resolution	±1cm	N/A
Accuracy	Typically ±2cm from 12cm to 3m	N/A

ACCESSORIES

Adaptor	1.5" BSP external thread adapter, 70mm (W) x 49mm (D) x 27mm (H) - Included with European versions 2" NPSM external thread adapter, 79mm (W) x 70mm (D) x 16mm (H) - Optional
Gasket (included)	Material EPDM, 70mm (W) x 40mm (D) x 4mm (H) ± 1mm Distance between hole centres 50mm ± 1mm
Screws (included)	No. 8 x 19mm Panhead Pozi-drive Stainless Steel
Bund switch option	Can be supplied with Bund Switch for double skinned tanks - 3m cable