



GSM TankAlert Specification

(TEK 733)
Part number 18-0218

Characteristic	Transmitter
Dimensions	101mm (W) x 93mm (L) x 150mm (H) \pm 1mm
Weight	520g (including batteries)
Housing Material	UV Stabilized Polypropylene (compatible with Oil)
Operating temperature	-20°C to 50°C (Note 1)
Storage Temperature	-30°C to 60°C (Note 1)
Altitude range	<2Km above sea level
Environmental Protection	IP67 – Outdoors
Radio frequency	Tri-Band GSM/GPRS (Quad band available)
Gauge Type	Ultrasonic
Ultrasonic range	>12cm to <4M (Note 2)
Ultrasonic signal diversion	30° (Note 3)
Ultrasonic Resolution	+/- 1cm
Material compatibility	Note 4
Power requirements	4 of Type C LR14 Alkaline 1.5V (fitted)
Battery life	> 5 Years (Note 5)
Humidity range	15% - 95%

Accessories

SIM Card	Options available
GPS	Global Positioning System (GPS) option available
Tank mounting options	Drill 60mm hole and secure to tank using 2 x self tapping screws with adapter provided or fit directly into 1 ¼", 1 ½" or 2" BSP existing tank connection
Warranty	2 Years

Conformity

Complies with Directive 2004/108/EC for Electromagnetic compatibility and the Low voltage directive 2006/95/EC for product safety and the R&TTE directive 1999/5/EC for radio. Compliance was demonstrated to the following specifications as listed in the official journal of the European Communities.	
EN 55022,A1,A2	Limits and methods of measurement of radio disturbance characteristics of information technology equipment.
EN 61000-4-2/3	Electromagnetic compatibility
EN 55011	Industrial, scientific and medical (ISM) radio-frequency equipment
EN 60335-1	Safety of household and similar appliances
EN 300 220-3	Electromagnetic compatibility and Radio spectrum Matters (ERM) - Short Range Devices (SRD);
ETSI EN 301 489-3	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC)
RoHs Compliance	Yes

Note 1: Storage and operation above 20°C may reduce battery life. Minimum distance measured is derated with temperatures <0°C.

Note 2: Based on a measurement to a flat liquid target of size 30cm². 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.

Note 5: Based on 8 GPRS messages per Month in standard configuration at a location with adequate GPRS coverage.

