

# GSM TANKALERT - INPROCLOUD



\* Magnetic activation point or 'Hot- spot'



## Ultrasonic level gauge – GSM / GPRS to web platform – app

Ultrasonic level gauge with integrated GSM modem with connection to the Inpro Cloud Web platform.

- Liquid level monitoring.
- For diesel, lubricants, water, waste oil, antifreeze...
- Optimize fuel distributor supply.
- Reading history features available for efficiency control.
- Remote configuration through Web platform.
- GPRS/SMS communication.
- Programmable alarms: Full alert, empty alert, spill alert.
- Easy to install.
- 2 years warranty.
- CE Compliance and RoHs Compliant.
- 24/7 monitoring: Ultrasonic measurements.

## Solution for reservoirs with obstacles

### Waveguide Mode Operation:

GSM Tankalert can be mounted and programmed at installation site with a 32 mm OD tubing (not included). This avoids any ultrasonic read error in the case of an obstacle is the inner tank (suction pipe, not regular tank walls, etc ...) avoids the correct ultrasonic function, as the reading is done inside this tube. An adapter is required.

## Inpro Cloud Web Platform

- Code: 06110000200004: 5 years of access to Inprocloud \*
  - Code: 25000000000010: SIM card with 5 years of data usage (Limited to 500 Mb. In total) \*
- \*Both are included in Tankalert product.

1 or 5 years use forfait available.



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SPECIFICATIONS	
Characteristics	Product Code: 06110000100009
Dimensions	101mm(W) x 93mm(L) x 150mm(H) ±1mm
Weight	530g including 4 x C size batteries/290g without batteries
Housing Material	UV Stabilized Polypropylene (compatible with oil)
Operating Temperature	-10°C to +50°C (Note 1)
Storage Temperature	-30°C to +60°C (Note 1)
Altitude Range	<2Km above sea level
Environmental Protection	IP-67 Outdoors
Radio Frequency	Tri-Band GSM/GPRS (Quad band available)
Gauge Type	Ultrasonic
Ultrasonic Range	>12cm to <3m (Note 2) - (>12cm to < 8m long range version is available upon request)
Ultrasonic Signal Diversion	30° (Note 3)
Ultrasonic Resolution	±1cm (±0.5")
Accuracy	Typically ±2cm from 12cm to 4m
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%
Color	Case: Grey - Adapter: Grey

ACCESSORIES	
SIM Card	Options available
Tank mounting options	Fit directly into 1 1/4", 1 1/2" or 2" BSP existing tank connection

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 301 489 -1	ERM and EMC standard for radio equipment and services Part 1.
EN 301 489 -7	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Electromagnetic Compatibility (EMC) Standard for Radio Equipment and Services; Part 7: Specific Conditions for Mobile and Portable Radio and Ancillary Equipment of Digital Cellular Radio Telecommunications Systems (GSM and DCS).
EN 301 511	Global System for Mobile Communications (GSM); Harmonized EN for Mobile Stations in the GSM 900 and GSM 1800 Bands Covering Essential Requirements Under Article 3.2 of the R&TTE Directive (1999/5/EC).
ETSI EN 301 489 -17	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 30cm<sup>2</sup>.

**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, gas oil types A2, C1, C2 y D as defined by BS2869.

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



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