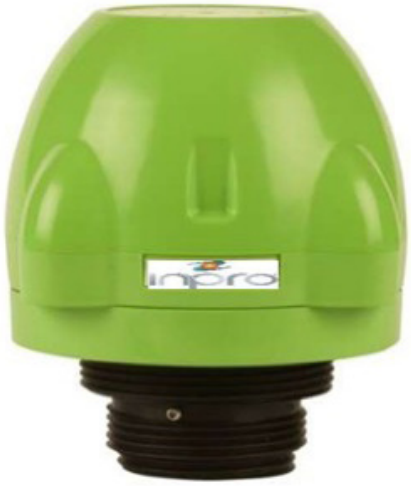
WIFI Tankalert - InproCloud

ULTRASONIC LEVEL GAUGE FOR TANKS - WIFI ACCESS TO WEB & APP

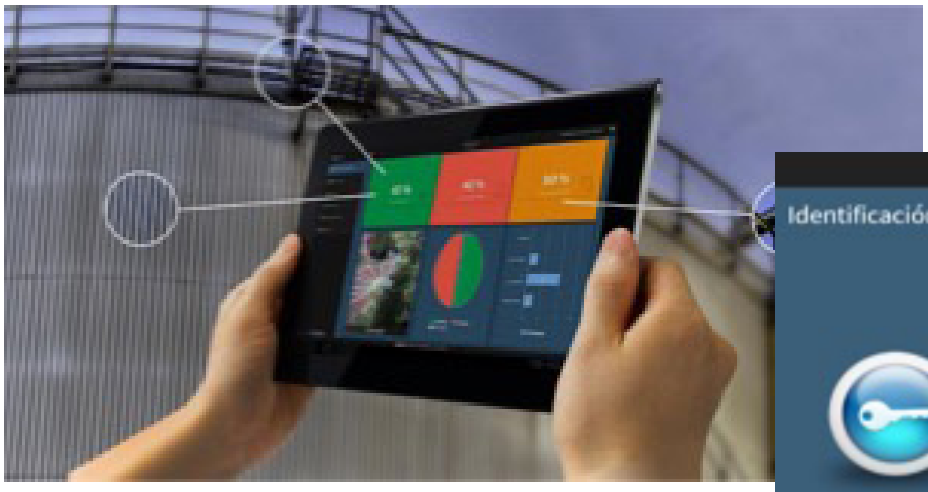
Ultrasonic level gauge with built-in WiFi modem Wi-Fi to Inpro Cloud & App.

- Liquid level monitoring.
- For diesel, lubricants, water, waste oil, antifreeze...
- Battery operated, no power supply required.
- Optimize fuel distributor supply.
- Reading history features available for efficiency control.
- Remote configuration through Web platform.
- Easy to install.
- 2 years warranty.
- CE Compliance and ROHS Compliant.
- Monitoring: 4 ultrasonic daily sample measurements of ultrasonic metering and one WiFi connection per day to update historic database.
- Spot reading available through built-in pushbutton.
- Anytime access to last read value and historical data through IOS or Android App.

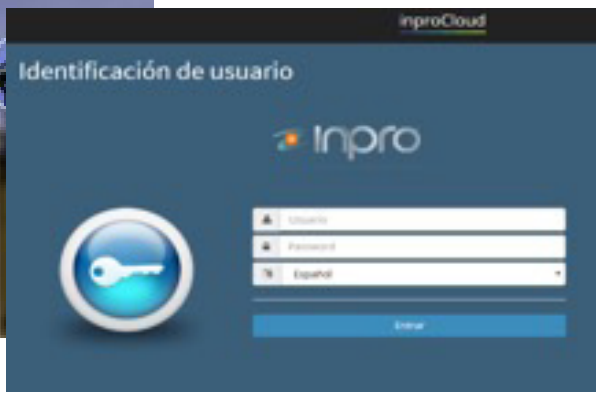


Inpro Cloud Web Platform

Product Code: 06110000100008



1 or 5 years forfait use available.



SOLUTION FOR RESERVOIRS WITH OBSTACLES:

Waveguide Mode Operation:
WIFI 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.

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Specifications

Characteristics	Product Code: 06110000100119
Dimensions	109mm(W) x 109mm(L) x 108mm(H) ±1mm 4.3″(W) x 4.3″(L) x 4.25″(H) ±0.1″
Weight	227g (8oz) including battery
Housing Material	UV Stabilized Polypropylene (compatible with Oil)
Operating Temperature	-17°C to +50°C (0°F to +122°F) **(Note 1)**
Storage Temperature	+20°C to +25°C (+68°F to +77°F) clean, cool, dry and ventilated. **(Note 1)**
Humidity range	15% - 95%
Altitude range	<2Km (<6,000') above sea level
Environmental Protection	IP-67 Outdoors
Wifi	Supports 802.11 b/g/n Wi-Fi
Frequency	2.412GHz to 2.462GHz
Output power	15dBm ±3dBm (as measured into the internal antenna on the PCB; internal antenna gain = -3dB)
Gauge Type	>Ultrasonic
Ultrasonic Range	>12cm to <300cm (>5″ to <115″) **(Note 2)**
Ultrasonic Signal Diversion	30° **(Nota 3)**
Ultrasonic Resolution	±1cm (±0.5″)
Accuracy	±2cm (±1″)
Material compatibility	**(Note 4)**
Battery type	3.6V Li-$SOCl_2$ Size R14 (C) (such as Saft LSH14)
Expected battery life	7.5 Years from activation **(Note 5)**
Enclosure colour	Olive green - Pantone 376C (adapter – Black)

Accessories

Tank mounting options	Fits directly into female 1 ¼″, 1 ½″ or 2″ BSP threads. 2″ recommended, as an optional adapter is required for 1 ¼″ and 1 ½″
Gasket (included)	Material EPDM 89mm(Ø) x 4mm(H) ±1mm (3.5″Ø x 0.16″(H) ±0.1″ Distance between hole centres 50mm ±1mm (2″ ±0.1″)
Antenna (optional)	Available with an external Wi-Fi antenna SMA connector. Contact manufacturer for details.

Conformity

Complies with current Directives for Electromagnetic compatibility and the Low voltage directive for product safety and the current R&TTE directive 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 Part1
EN 301 489-7	Electro-magnetic Compatibility and Radio Spectrum Matters (ERM); Electro-magnetic 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)
ETSI EN 301 489-17	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC)
FCC compliance	FCC ID: S6T750
RoHs Compliance	Yes

Note 1: Storage and operation above 25°C may reduce battery life. Shelf life recommended not to exceed 12 months.
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, gas oil types A2,C1,C2 and D as defined by BS2869.
Note 5: Based on activation within 1 year of the manufacturing date of the product, and device configuration for 4 ultrasonic measurements per day, 1 Wi-Fi connection per day from a location where the Wi-Fi coverage does not require retries, and a normal distribution over operating temp. range centered at +25°C.
Note 6: If used in an external environment, installer must apply self-amalgamating tape to the external antenna-SMA connector join to ensure it is weather proofed. The antenna gain characteristics should be < 6dBi to ensure FCC compliance.

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