

# LEVEL-CONTA



Moralejo Técnica S.L

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**Moralejo**  
TÉCNICA S.L.

This device measures the filling level of a tank with water, diesel or any other fluid, in addition to measuring the flow of water that passes through a Woltman-type or Wai-type meter.

It is equipped with a pulse emitter that totals the cubic meters and also provides us with the instantaneous flow.

The level measurement is carried out by means of a high-precision ultrasound emitter.

It consists of three parts:

The water meter with its pulse emitter, the ultrasound meter to measure the level and the electronic device that interprets these values and sends it to the internet.

## General

- Configurable sampling time (default: 30 min.)
- Does not require recalibration or maintenance.
- Commissioning, easy and fast.

## Electrical characteristics

- Electrical power supply: 2 serial batteries Li-socl2.
- Tension: 7,20 Volts.
- Capacity: 7.700 mAh.
- Consumption :
  - < 70mA Active.
  - < 25uA Idle.

## Wireless communications

You can use any of the following platforms:

- Sigfox 868 MHz.
- Lora 868 MHz.
- 2G/3G with SIM card.

The antenna is external with gain -3 dB.

## Wired communications

- RS-485 port.
- RS-232 port.

## Applications

- Monitor the filling / emptying of water tanks.
- Program emptying alarms.
- Obtain deposit histories.
- Measure the level of an open channel or drain, ponds, grain silos, etc.
- Measure the sewer level.
- Monitor water flow rates in a pipe.
- Program alarms according to the quantity of metered water.
- Obtain process history.
- Detects pipeline obstructions.
- Allows to detect water leaks.

## Equipment measurement

- Uses ultrasound technology.
- Measurement range: 0.2m to 6m.
  - Accuracy: 1cm.
- Use a Reed type pulse counter.
- Measurement range: 0 to 9999999 m<sup>3</sup>.
- Accuracy: 1m<sup>3</sup>.

## work environment

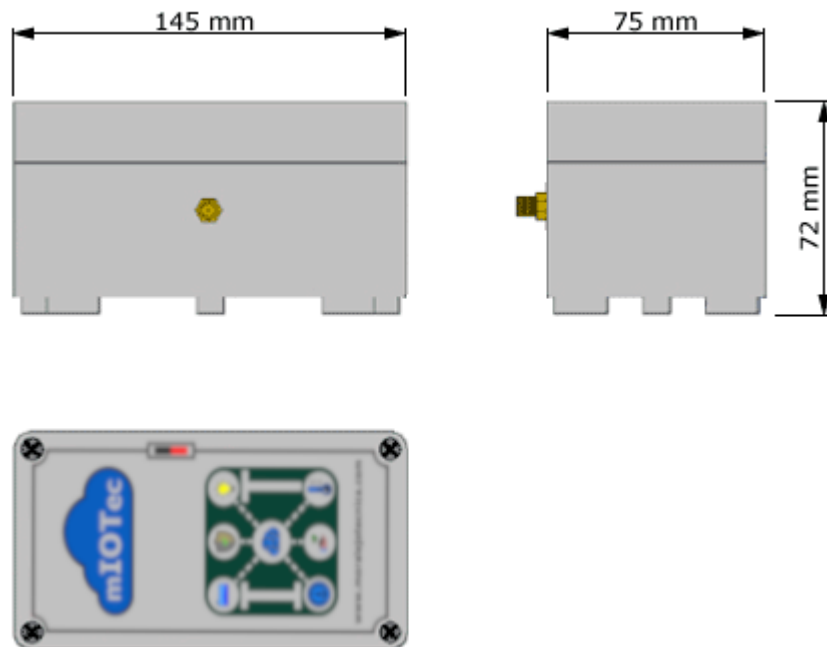
- Temperature: -30°C to +80°C.
- Humidity: 10% to 90% RH.

## Connectivities



- Our devices are available with different connectivity technologies.
- Choose the one that best suits your needs or let us advise you.
- Sigfox communications.
- LoRa communications.
- 2G/3G, SIM card .
- NB-IOT.

## Physical properties of the box



<b>Protection index</b>	<b>IP-67</b>
<b>Height</b>	<b>72 mm</b>
<b>Width</b>	<b>145 mm</b>
<b>Depth</b>	<b>75 mm</b>
<b>Weight</b>	<b>600 gr</b>



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