

# *Meter-Level*



Moralejo Técnica S.L

[moralejo@moralejotecnica.com](mailto:moralejo@moralejotecnica.com)

<https://moralejotecnica.com/>

**Moralejo**  
TÉCNICA S.L.

This device measures the level of liquid in a tank, open channel or in a sewer.

The measurement is carried out using a high-precision ultrasound emitter.

Once the measurement has been made, it is uploaded to the Internet through different communication technologies, being able to choose the one that best suits your needs.

The measurement value can be seen on your mobile phone through the mIOTec application or on your PC.

## General

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

## Applications

- Monitor the filling / emptying of water tanks.
- Schedule alarms according to the difference.
- Get tank history.
- Measure the level of an open channel or drain, ponds, grain silos, etc.
- Measure the level of the sewer

## Electrical characteristics

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

## Equipment measurement

- Uses ultrasound technology.
- Measurement range: 0.2 m to 6m.
  - Accuracy: 1 cm.

## 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.

## work environment

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

## Wired communications

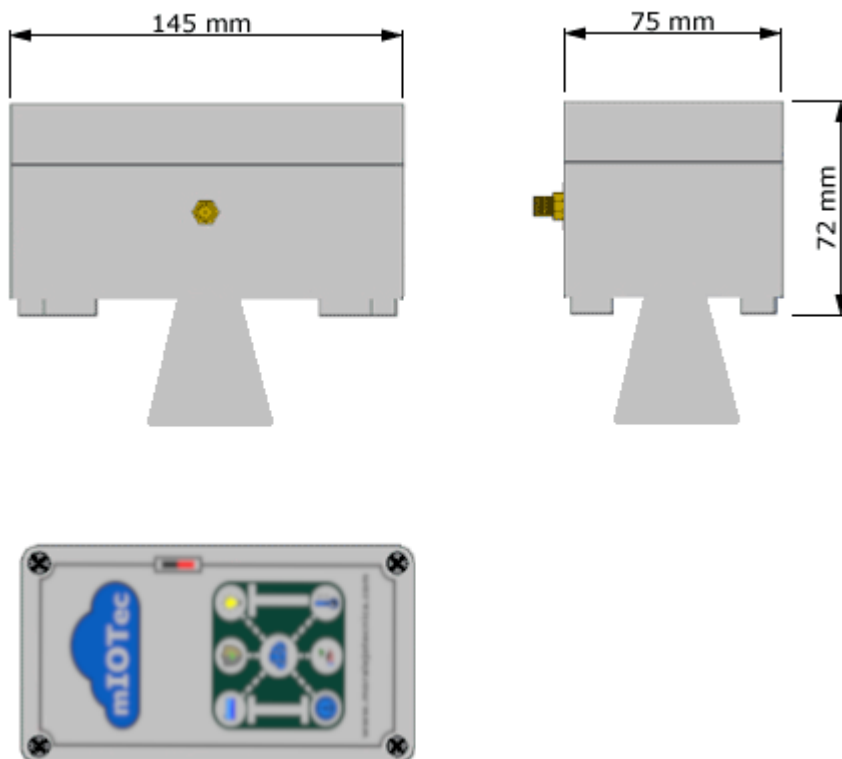
- RS-485 port.
- RS-232 port.

## 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> |



**Moralejo Técnica S.L.**

**C/Vertical VI-Nº2**

**37188-Carbajosa de la sagrada**

**Tlf: (+34) 923 19 77 89**

**<https://www.moralejotecnica.com>**

**[moralejo@moralejotecnica.com.com](mailto:moralejo@moralejotecnica.com.com)**