

Meter-Gap-Level



Moralejo Técnica S.L

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Moralejo
TÉCNICA S.L.

This device measures the difference in liquid level between two points in an open channel, a sewer or a filter stage.

The measurement is carried out by means of two highly precise ultrasound emitters.

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 level difference of an open channel.
- Schedule alarms according to the difference.
- Obtain process history.
- It allows to detect obstructions.
- It allows detecting the saturation of a filter or roughing grid

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.
 - Messure: Level1-Level2.

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

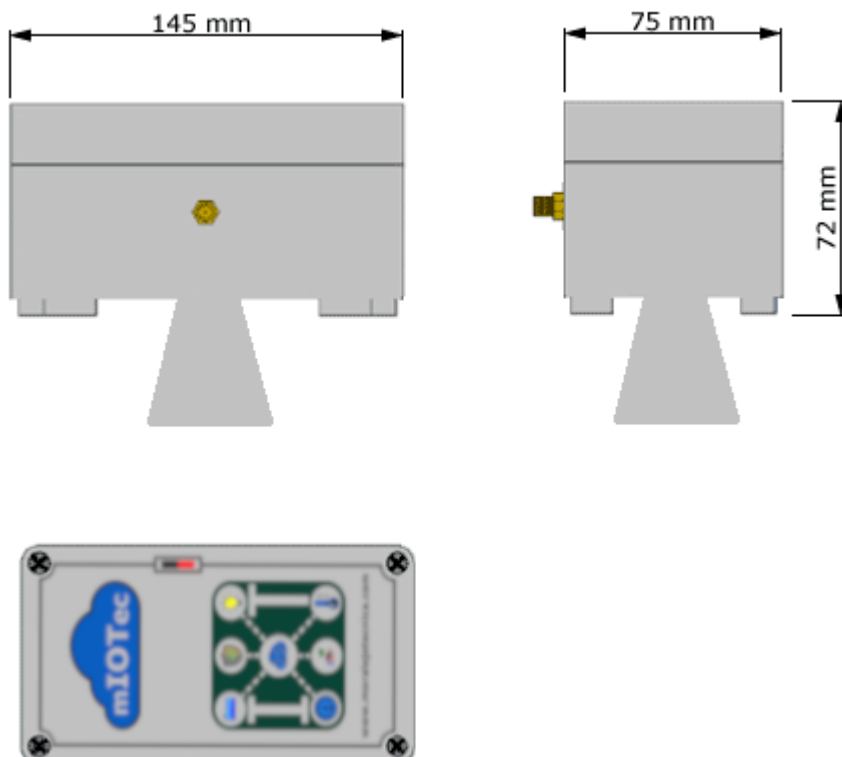
- RS-485 port.
- RS-232 port.

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



Protection index	IP-67
Height	72 mm
Width	145 mm
Depth	75 mm
Weight	600 gr



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