

# *Press-Nimbus*



Moralejo Técnica S.L

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

<https://moralejotecnica.com/>

**Moralejo**  
TÉCNICA S.L.

This device measures the pressure value at one or two different points in a pipe or different pipes.

It consists of two parts:

A pressure transducer that is in contact with water and the electronic device that interprets this value and sends it to the internet.

The user receives the pressure value in Bars in the mIOTec application on their smartphone.

## General

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

## Applications

- Monitor water pressures in one or more pipes.
- Program alarms according to the pressure difference.
- Obtain process history.
- Detects pipeline obstructions.
- Allows to detect water leaks

## 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

- Use a pressure transducer.
- Measurement range: 0 to 10 bars.
- Accuracy: 0.1 bar.

## 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

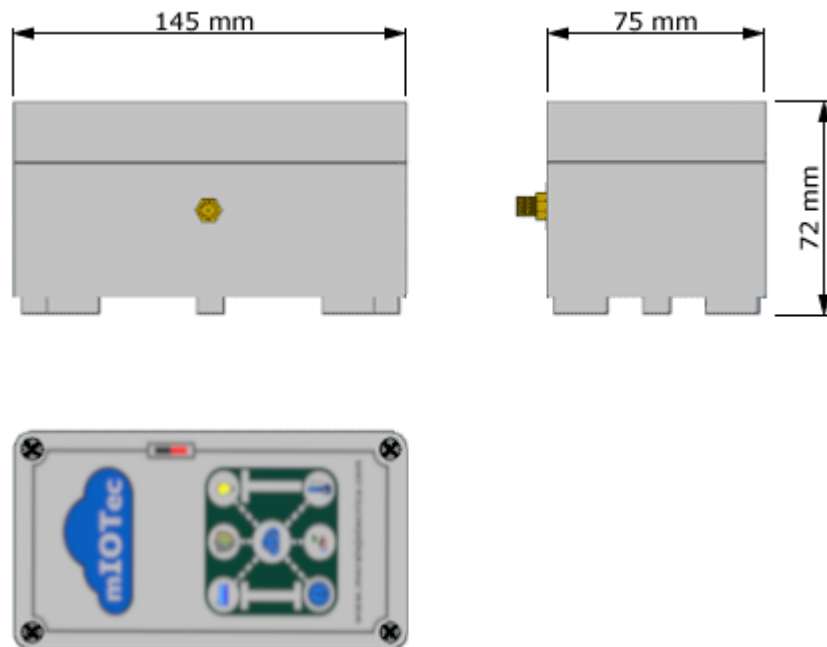
- RS-485 port.
- RS-232 port.

## 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)**