

# ULTRASONIC DISTANCE READING



Smart Building



Smart City



Smart Industry



## Features

The ACW-LVL transmits a length measurement through an ultrasonic sensor. It will get the water, sand or snow level as well as the filling rate of silos or containers.

Data transmission can be setup through ACW configurator.

SMS or e-mail alerts when a threshold is exceeded \*.

Compatible with Sigfox repeater (ACW-GW) and LoRaWAN (ACW-EXT, only on Orange network).



Range: 20 cm to 5,5 m  
Precision: 1% of measurement



Plug & Play : <10 min of installation



4 interchangeable batteries [14,4 Ah]



>5 years of autonomy with 24 measurements per day



Radio range >15 kms



IP67 casing



Redundancy of data and datalogging



Setup via downlink or Bluetooth (BLE 4.2)



Visual signal showing network quality and sensor correct connection

## References

Part number	Technology
ACW/SF8-LVL	Sigfox
ACW/LW8-LVL	LoRaWAN

\*Available with a subscription to Atim Cloud Wireless™ web platform

# DISTANCE MEASUREMENT: USE CASES

## MONITOR THE FILLING LEVEL OF TANKS

- Monitor the filling rate of household waste containers
- Collect data from sensors placed in various areas of the city
- Organize garbage collection
- Optimize routes by limiting empty passages



- Monitor in real time the filling level of raw material silos on construction sites (sand, gravel, etc.) or on farms (cereals, grains, etc.)
- Quickly identify remaining stocks
- Be responsive by scheduling a restocking so you don't run out of stock



- Monitor the water level of a river
- Identify rising water levels during heavy rainfall
- Respond and take safety measures when you notice that the level is rising too quickly

