

## Yepzon ASSET - QUICK START



### REGISTERING FIRST TIME AS YEPZON ASSET USER

- 1 Open the Yepzon™ Pro web portal at <https://web.yepzon.com>
- 2 Register yourself as a user
- 3 Log in with credentials registered in step 2 and follow instructions on screen
- 4 Add your first device[s] with Product Key[s] and follow instructions on screen - Product Key is printed on the product label sticker [AAAA-BBBB-CCCC]
- 5 Ready! Switch ON your Asset. First connection may take from 10 minutes up to a few hours. To maximize the battery level, you may plug the device into a Micro-USB charger. This may also speed up the first connection.

Please note: Powering OFF is done by means of web user interface, not by power switch

More information:  
[yepzon.com/asset](https://yepzon.com/asset)

User manual:  
[yepzon.com/user-guides](https://yepzon.com/user-guides)

Technical support:  
[support@yepzon.com](mailto:support@yepzon.com)

## CONNECTION INTERVALS

Device connects to the network and reports the data **only at pre-set intervals**. Default interval is **1 hour**. By placing the device on the charger, it reboots, giving the current location and starting a new interval cycle from the moment of plug-in.

If the network connection fails, there is a battery saving mechanism; the next connection attempt takes place after a delay which is **2 x default connection interval**. This will conserve battery over long periods of network outage, such as on a marine trip. The sensor data acquisition continues seamlessly also during these offline periods and data is provided in the next connection.

## DATA ACQUISITION

Device includes GPS module for precise positioning, accelerometer for collision detection and temperature and humidity sensors. Location information, environmental information and collision detection status are reported in every connection, as well as battery level.

**Temperature and humidity information** is acquired continuously. In each connection two values are reported: minimum and maximum since previous report.

**Collision information** is also acquired continuously. Minor acceleration events are not reported thus if the device movement is gradual without any sudden incidences, it might be that the reported acceleration values are zero. Collision detection considers not only the peak value, but also the duration of the acceleration. The motion event with the highest impact since previous report is reported.

**Battery level** in % is reported from a moment just before the report. It is an indicative value only and there may be some variation.

## LOCATION

Device attempts to acquire the precise, GPS satellite-based position just before each connection. To obtain a GPS position, a clear 360 degrees view to the horizon is recommended, which is seldom the case. Thus, the GPS position is not always available, especially when the Device is indoors.

If the GPS signal is reflected from buildings and other objects, the GPS position might be shifted up to tens of meters. In extreme cases the actual location of the device may even be outside the reported accuracy.

In case there is no GPS position available, a GSM tower based location is reported. The accuracy of a GSM-tower based location is from a few hundred meters to several kilometers.