



# **LPWAN (NBIoT) Product order details**

Pessl Instruments, GmbH

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## 1. Purpose

To fulfill the order of LPWAN (NBLoT) product from Pessl Instruments, read through this document and fill in the necessary information.

Unfulfilled or missing data will be treated as standard settings which are set by default.

## 2. Client account setup

Company Name: \_\_\_\_\_

Your Invoice Address:

\_\_\_\_\_  
\_\_\_\_\_

Accounts Contact Person: \_\_\_\_\_

Email for Accounts contact: \_\_\_\_\_

(This should be person you would like us to send your invoices / statements / accounting information to)

Your Delivery Address:

\_\_\_\_\_  
\_\_\_\_\_

Telephone No. \_\_\_\_\_

Fax No: \_\_\_\_\_

Email Address Sales/ Ordering: \_\_\_\_\_

Your Web Site address: \_\_\_\_\_

## 3. Product configuration

Our products with NBLoT connectivity use the HL7800 module from Sierra Wireless.

It supports Category: Cat-M1/NB1 with Frequency Bands: B1, B2, B3, B4, B5, B8, B9, B10, B12, B13, B14, B17, B18, B19, B20, B25, B26, B27, B28, B66.

More info about the module can be found here: <https://www.sierrawireless.com/products-and-solutions/embedded-solutions/products/hl7800/>

### 3.1 Select predefined values

Write the values that you want to have configured on the station when it is sent from our production facility:

Parameter:	Value:
APN name:	
APN username:	
APN password:	
MCC:	
MNC:	

These values can be changed later by the client via the TeraTerm menu on the station directly.

Please provide also these values:

Country (location of installation) :	
Network operator:	
Network operator contact:	
SIM card provider:	

### 3.2 Measurement, logging and transmission intervals

Default values for the LoRAIN and LoRATH NBloT products:

Sensor measurement interval: every 15 minutes

Sensor logging interval: every 15 minutes

Transmission interval: every 60 minutes

On the LoRAIN and LoRATH these values should not be changed. However, you can change them on your own risk via menu option on the product using the TeraTerm app but this can influence the lifetime of the lithium battery.

Default values on the uMETOS CLIMA and uMETOS SOIL NBloT products:

Sensor measurement interval: every 15 minutes

Sensor logging interval: every 15 minutes

Transmission interval: every 15 minutes

On the uMETOS CLIMA and uMETOS SOIL the big 6V rechargeable battery with solar panel provides enough power to do measurements and transmissions more frequent and without needed battery change.

These settings can be changed on LoRAIN, LoRATH, uMETOS CLIMA and uMETOS SOIL also remotely.

## 4. Agreement

Pessl Instruments:

- is not a network providing company therefore does not take any responsibility for the NBloT network status, availability, signal strength, gateway maintenance and any other related topic
- client order is checked before it goes into production, if this document is not fulfilled, Pessl Instruments can reject the order
- all support is charged extra unless agreed otherwise on project's basis

Data payload structure:

- is a closed source and not publicly open. It can be negotiated on case by case situation
- when parsing is done on client's side, Pessl Instruments does not take any responsibility for data
- payload structures can be changed in future firmware versions without any prior or post notification

I agree with the stated facts

Name and surname: \_\_\_\_\_

Contact: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_