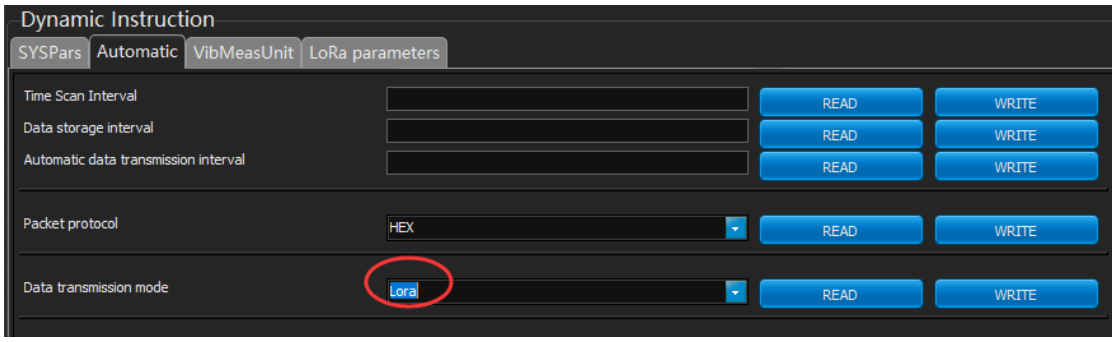
The prerequisites for reading this accessory are:
You can already use SETP_Tool to connect, read, and modify VS4XX parameters (see "VS1xx_VS4XX (EUR)User Manual V1.24 For HW201 sf300.pdf").

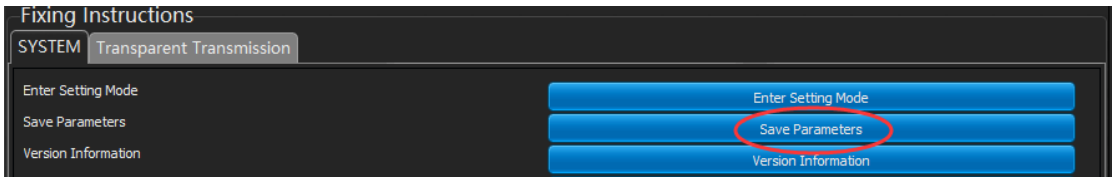
Data transmitter

➢ Step 1: Set the data transmission mode of VS4XX

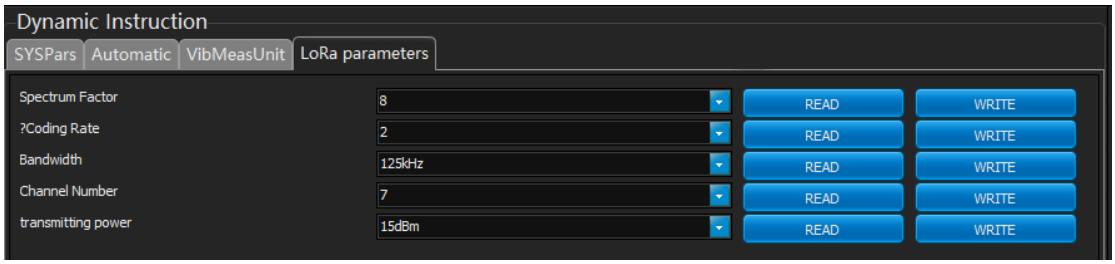
In Setp_Tool, change the "Data transmission Mode" in the "Automation" panel to "LORA", as shown below.



Note: After modifying the parameters, be sure to click the "Save Parameters" button in SETP_Tool. (The same below)



➢ Step 2: Modify the LORA parameters



It's a good idea to keep the default values.

Note: In any case, the LORA parameters of the sender and receiver must be exactly the same.

Data receiver

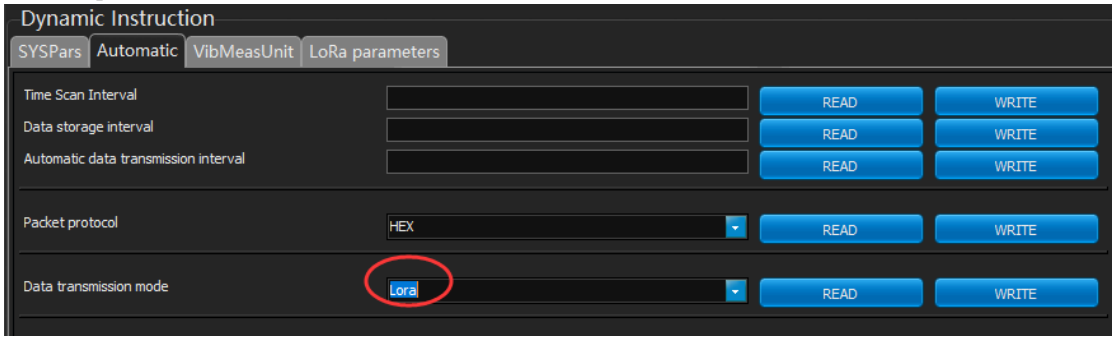
If you have a LORA receiver, configure the LORA parameters of the receiver to be exactly the same as the transmitter.
If you do not have a LORA receiver, you can make VS4XX a receiver by modifying the parameters as follows:

➢ Step 1: Modify the working mode

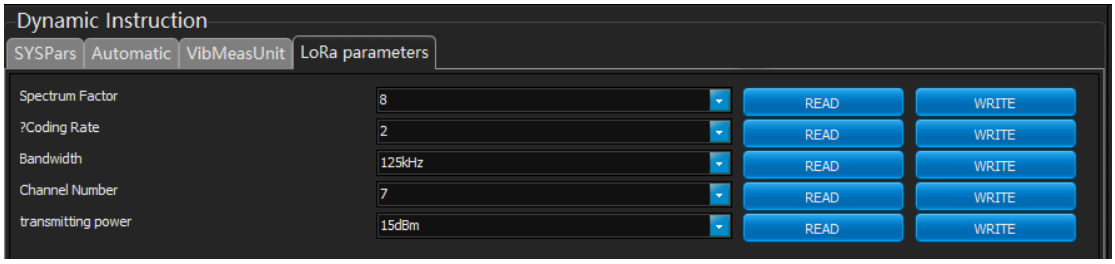
Modify “Next time start working mode” Is “Set Mode”。

After this parameter is modified, VS4XX will automatically enter "Parameter Setting Mode" at each startup, and the indicator will flash quickly.

➢ Step 2：Set the data transmission mode of VS4XX



➢ Step 3：Modify the LORA parameters

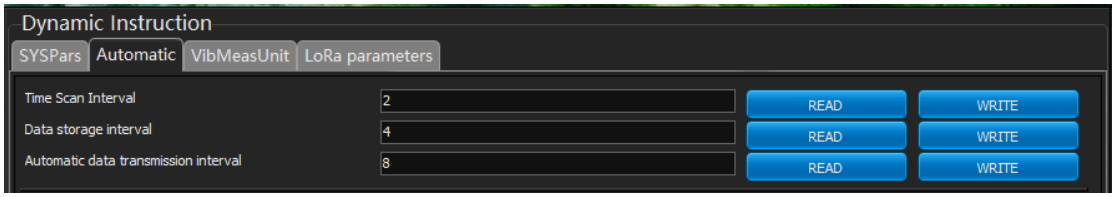


Note: To prevent the receiver from shutting down automatically, you can set a read instruction to VS4XX every 1 minute in the upper right corner of the SETP_Tool interface (in parameter mode, VS4XX will not start the automatic shutdown process as long as it receives any data).

TEST

VS4XX automatically starts every period of time (the default is 8 minutes), collects sensor data, then sends data and shuts down.

In particular, you can use VS4XX's [Test] button to force a data transmission.



When the receiver receives the data, it outputs the received data at the RS232 interface.If you use VS4XX as the receiver, you can see the content of the received data on the left side of the SETP_Tool interface.
When VS4XX outputs LORA data from RS232, it is prefixed with “LoraRecev:\t”.

There are three packet formats for VS4XX, please refer to “VS10x_VS4xx Data Protocol Description.pdf”。