SHIFTING THE LIMITS

Quick Installation Guide Energy profiling (Fronius Smart Meter 50kA-3 / 63A-1 / 63A-3)

1.) AC wirning of Fronius smart meter
2.) Serial connecton of Modbus RTU cables

Example with Datamanager and four Fronius smart meter:
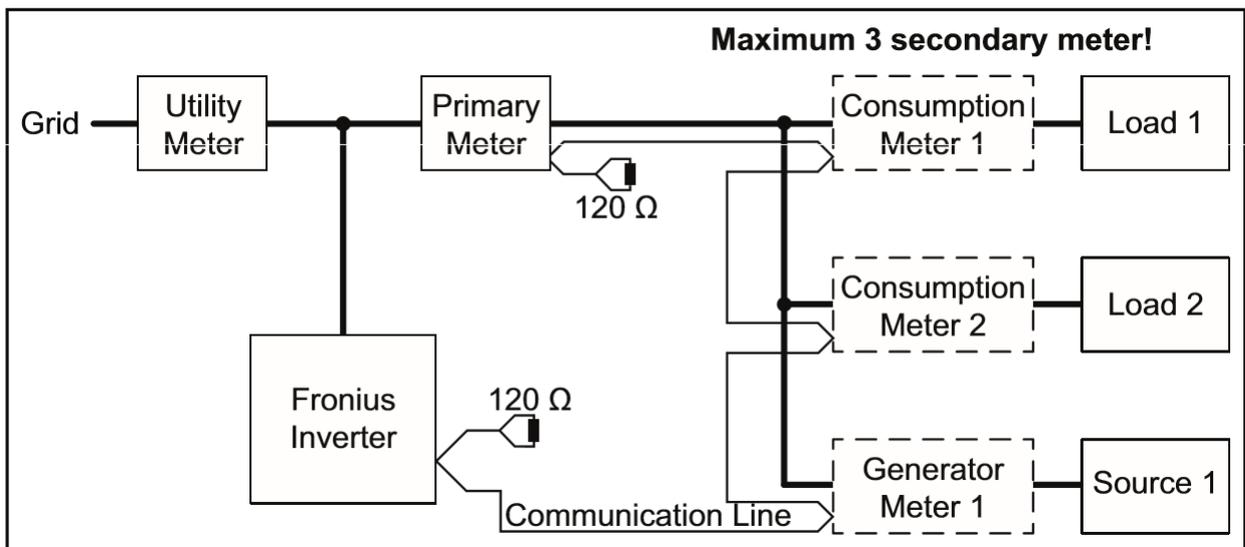
3.) Connect terminating resistor to the first Modbus device

As far as a Fronius smart meter is the first or last Modbus component, the enclosed terminating resistor has to be connected to the data line.
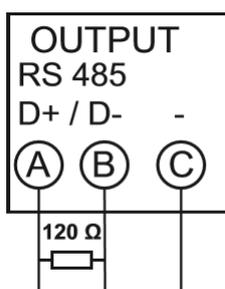
4.) Assigning an unique Modbus ID for each Fronius Smart Meter in the range of 1 – 4.

Attention: The number of feasible Fronius Smart Meters depends is limited in combination with the Fronius Symo Hybrid and/or the Fronius Ohmpilot. The options are listed in the following table

Number of Fronius smart meters

	without Fronius Ohmpilot	With Fronius Ohmpilot via TCP/WiFi	With Fronius Ohmpilot Modbus via RTU
Inverter with Datamanager 2	4	4	3
Fronius Symo Hybrid	2	2	1

Set the address of the Fronius Smart Meter:

1 Enter the password "2633"

2 Select the Address menu item – do not change any other settings!
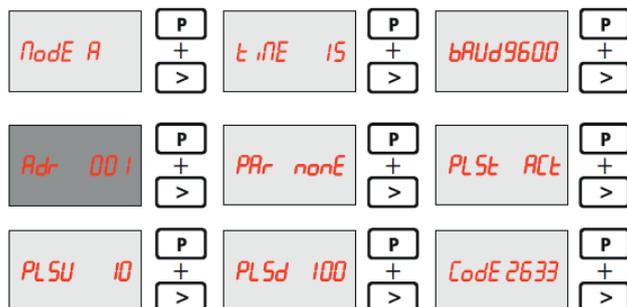
3 Set the relevant address

Page   Moves the cursor
Prog   Increases/decreases the set value
Page + Prog   Confirms
Values that can be selected: 1 to 255

Configure Smart Meter in the web interface:

1 Open the web interface of the Fronius Datamanager and "Settings"
2 Select and add secondary meter
3 Enter designation and set Modbus address
4 Add meter description
5 Repeat the process for additional meters, if necessary

SHIFTING THE LIMITS

5.) Configuration of the primary meter, the Solar Battery and Ohmpilot in the Datamanager/Symo Hybrid in the Userinterface.
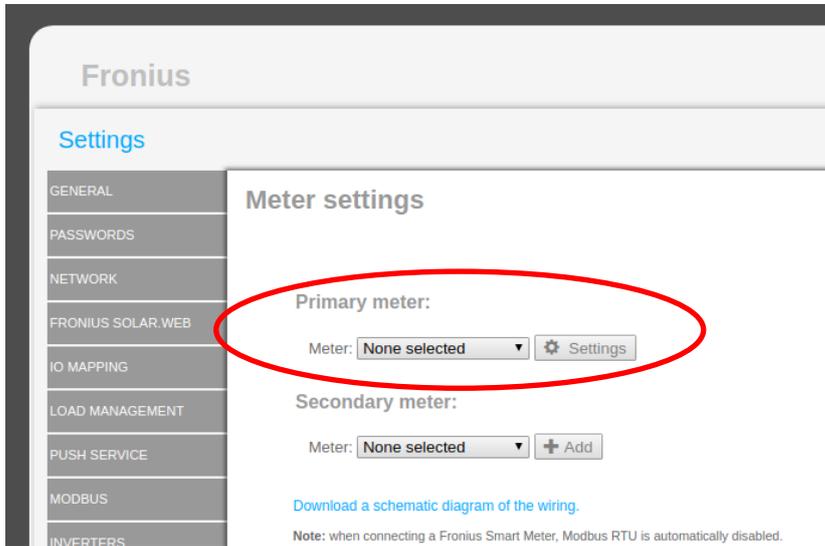
Configuration of secondary smart meters in Datamanager/Symo Hybrid user interface. It's mandatory to set a primary meter before setting secondary meters.

a. Click to add a secondary smart meter
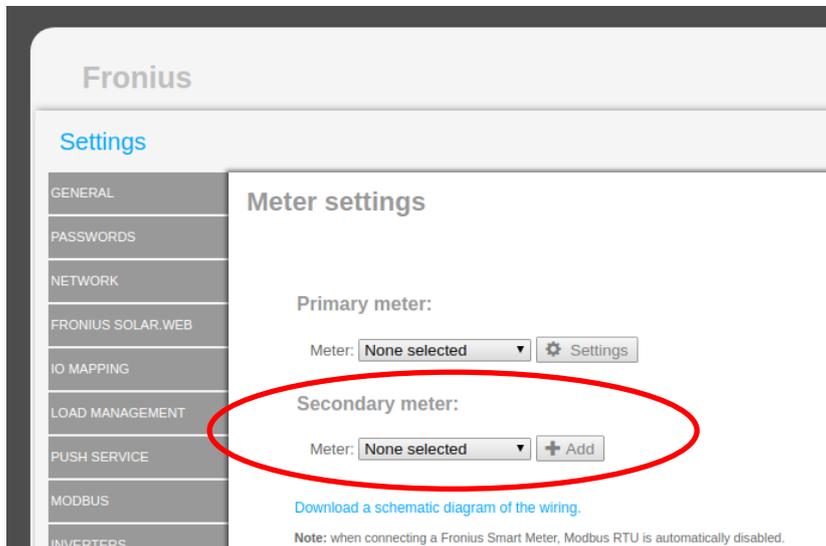
b. Chose if the smart meter measures energy production or energy consumption
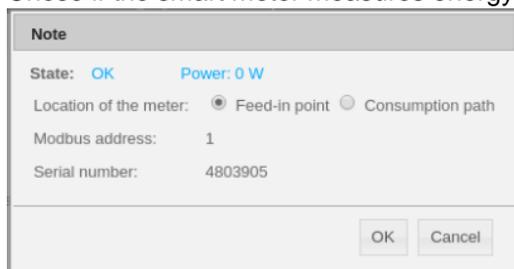
c. Enter designation and the chosen Modbus ID

d. Chose smart meter category

6.) The actual power is shown for each smart meter

Example: Primary smart meter and two secondary smart meter