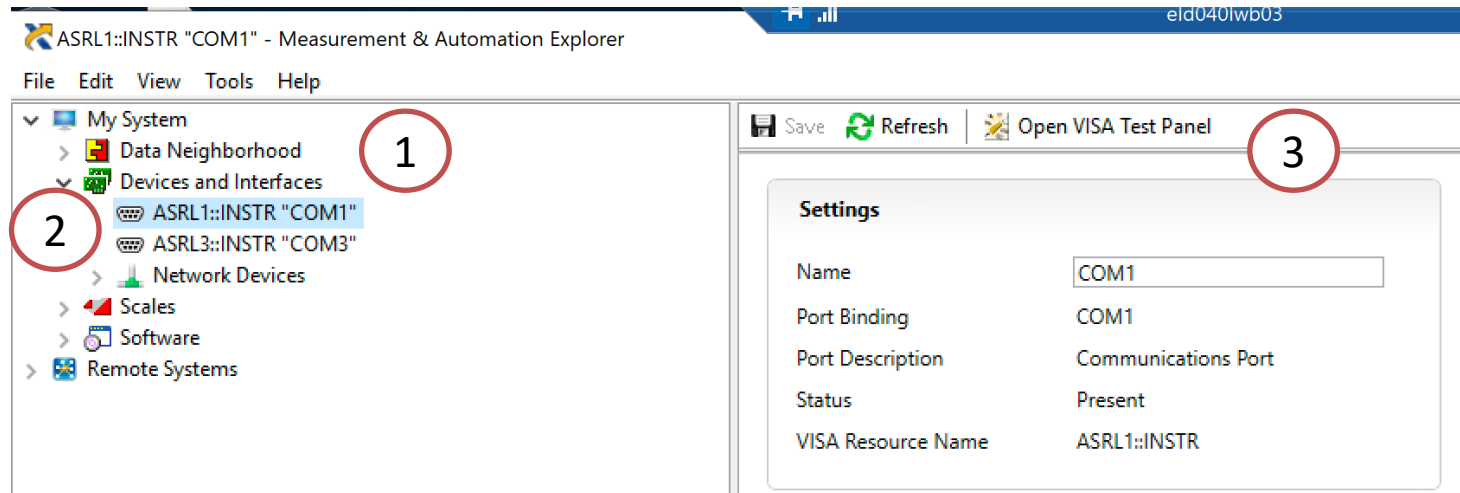


EE-206

Systemes de mesure

NI MAX

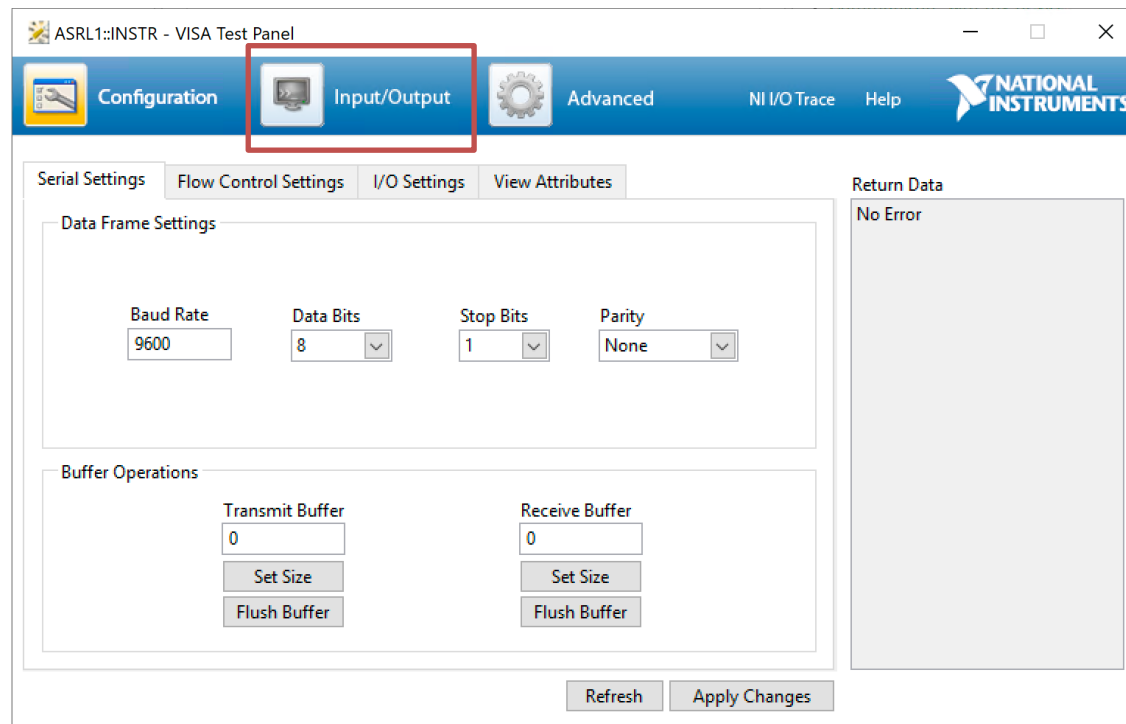
First of all, on NI MAX check whether the instrument is well connected to the PC.



Devices and Interfaces → COM1 → Open VISA Test Panel

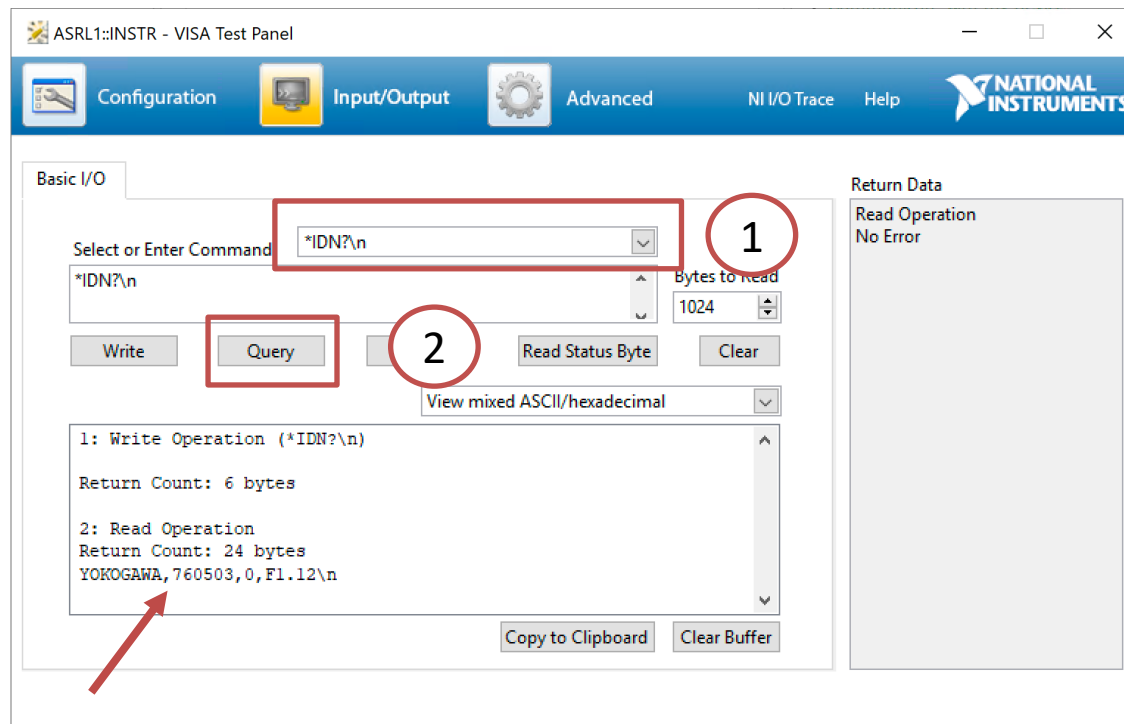
VISA Test Panel

In the VISA Test Panel we can check the instrument state directly from the PC.



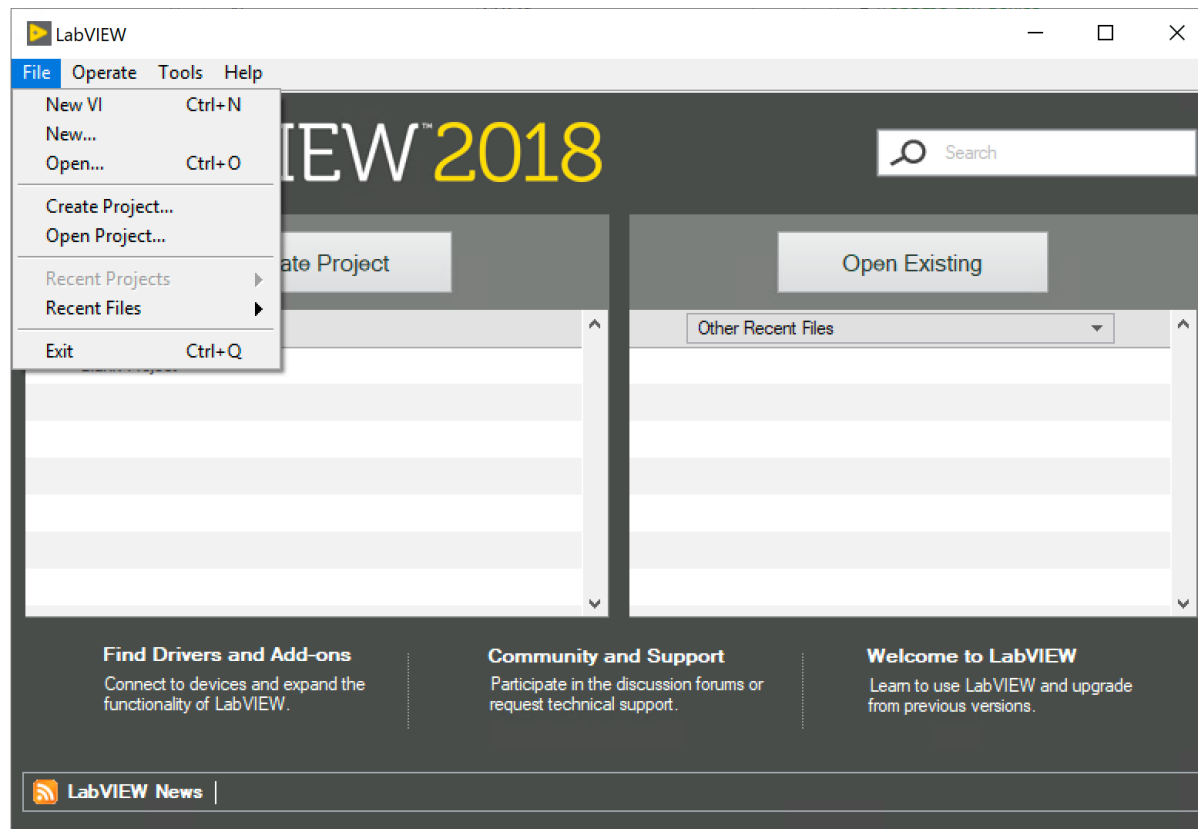
Input / Output

In the Input / Output menu we can send some messages to the instrument in order to know its state.



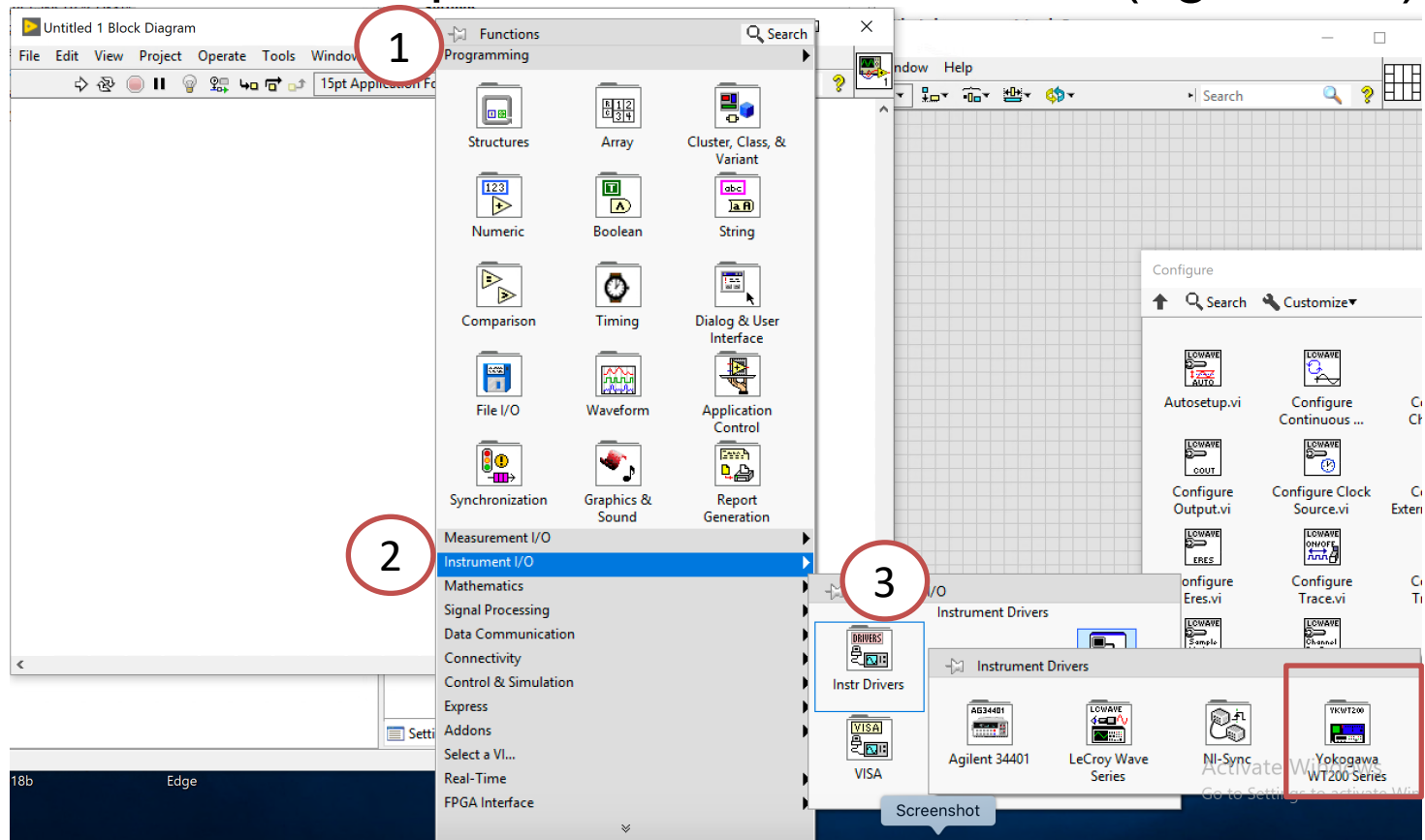
LabVIEW

Let's now launch LabVIEW...



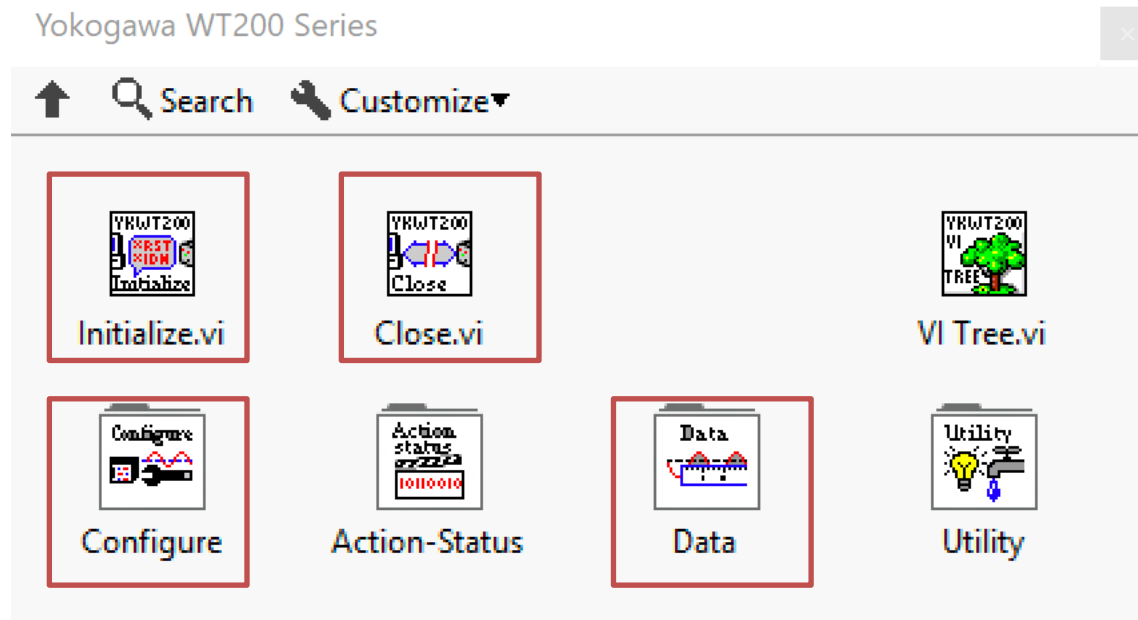
Driver library

In a blank VI, let's open the Function Palette (right click):



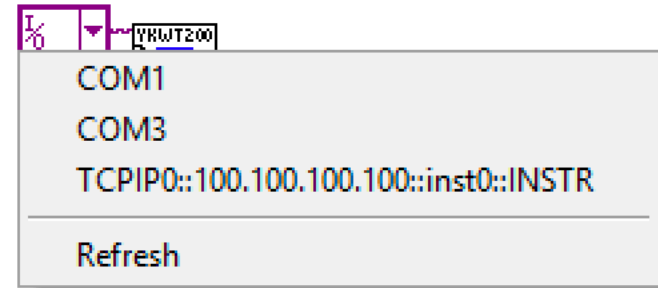
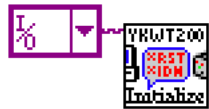
Yokogawa WT200 Series

In the library we find:

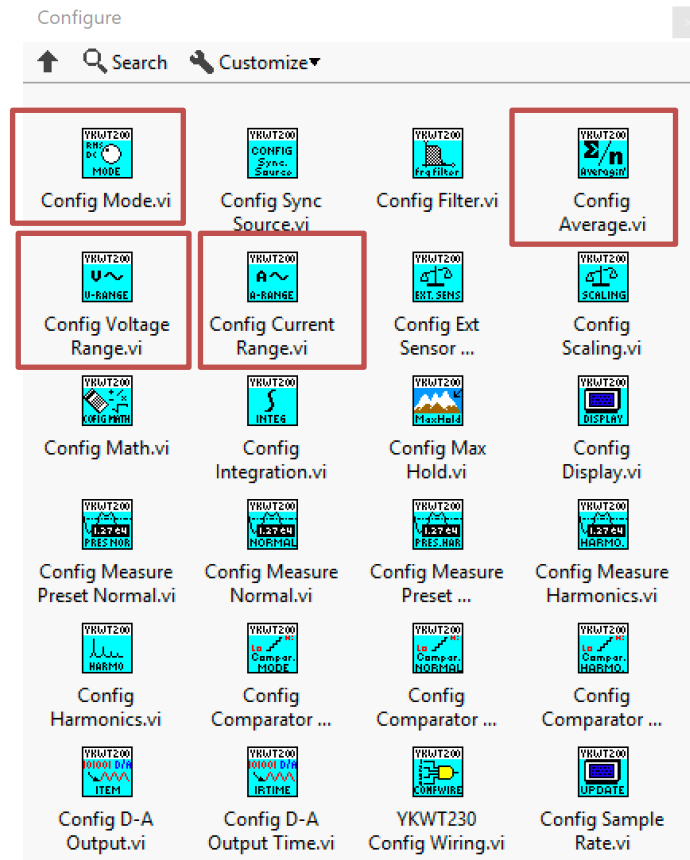


Initialization

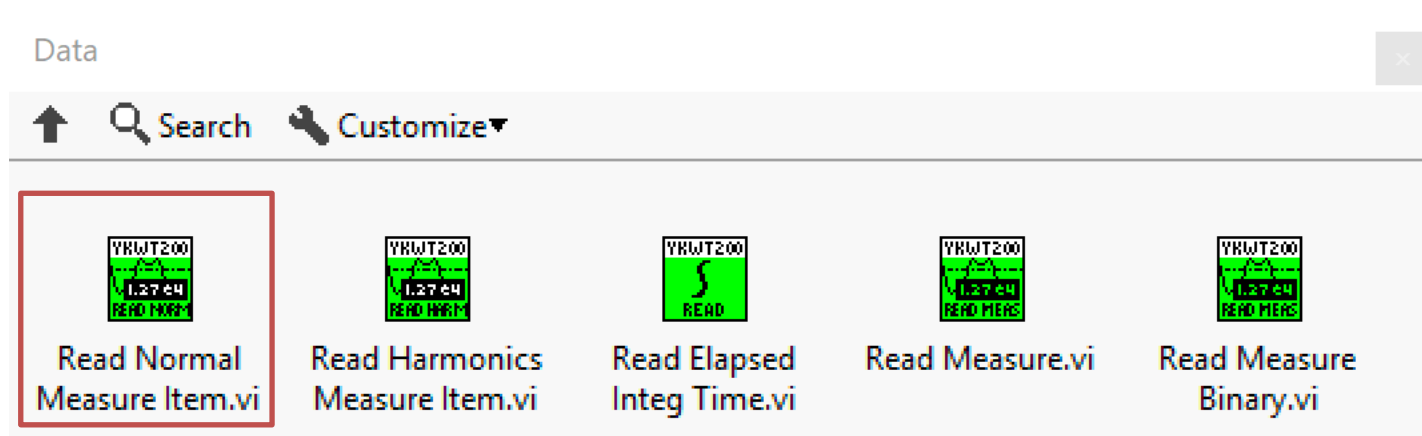
In order to initialize the communication with the instrument:



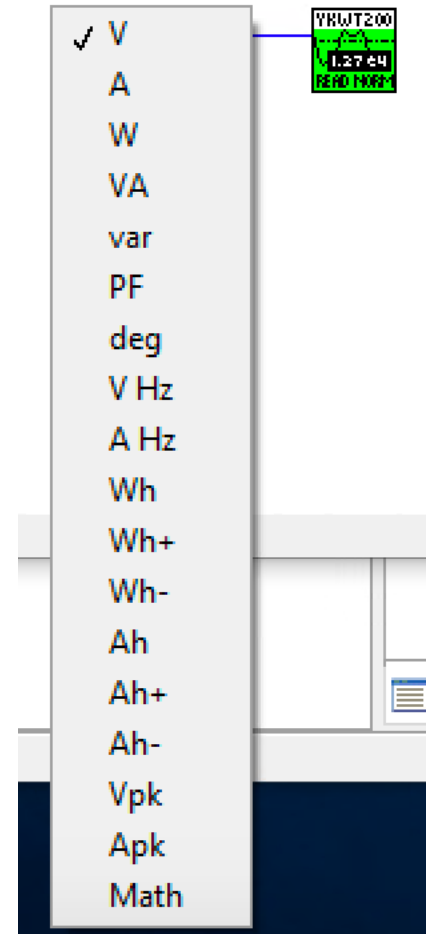
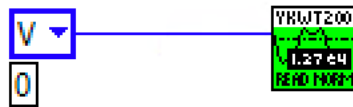
Configure



Data



Example of Read Data



Exercise 1

- initialize the communication
- configure the measurement mode RMS
- auto-range the voltage and current channel
- configure the average mode (linear, meas. # 8)
- acquire the values of V, A and W
- close the communication

Exercise 2

- initialize the communication
- configure the measurement mode RMS
- manual set of the voltage and current channel
- acquire 8 consecutive measurements of V, A and W
- compute the algebraic mean of the measurements
- close the communication