# MEA-2100 and the Chromeleon™ 7.3.1 Software



## Description

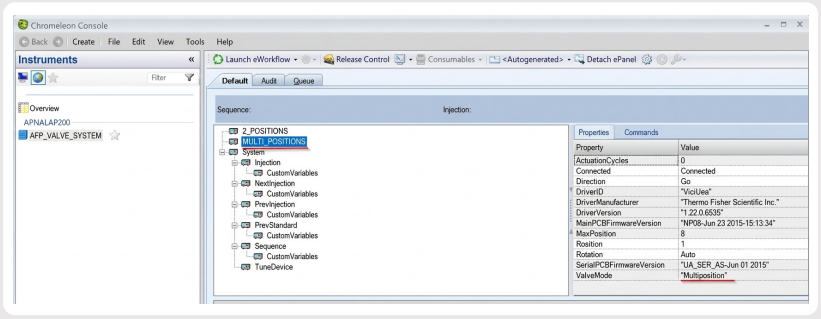
This technical note describes the integration of the MEA-2100 with Chromeleon software, including configuration using the Service Manager and Instrument Configuration Manager.

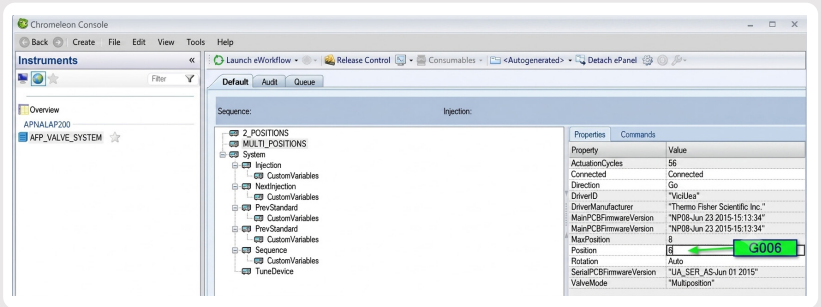
## 1.0 Start by showing the result

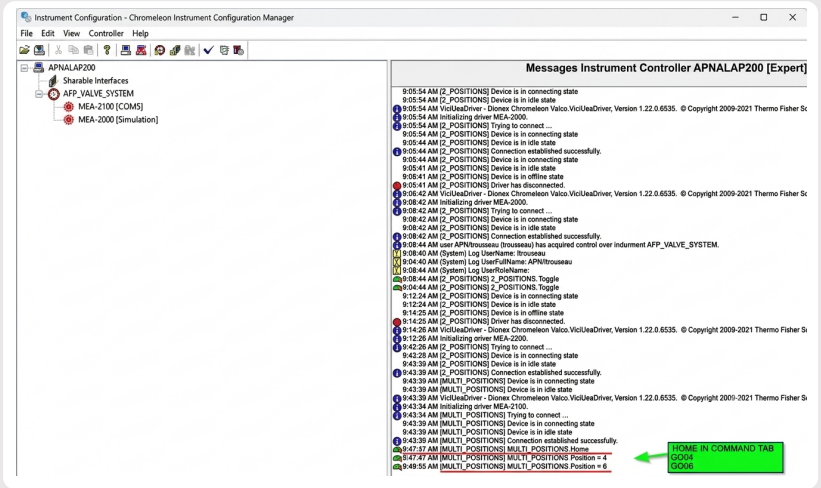
What we want is to control the valve with the console and to test it with the GO command.

### The instrument LOG shows:

- Device initialization
- Device good connection
- Valve GO04 and GO06 by the console command
- MEA-2000 is in simulation mode
- MEA-2100 is active on communication port 5




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# MINIMUM MEA-2100 CONFIGURATION

- A good serial communication with the MEA-2100 (9600,n,8,1).
- The Multi positions valve installed example with an SD08
- The configuration button can be used to go to the installation position “Flat”
- The MEA-2100 configure in serial control mode (default for MEA-2100)
- The MEA-2100 AFP secondary protocol enable (default for MEA-2100)

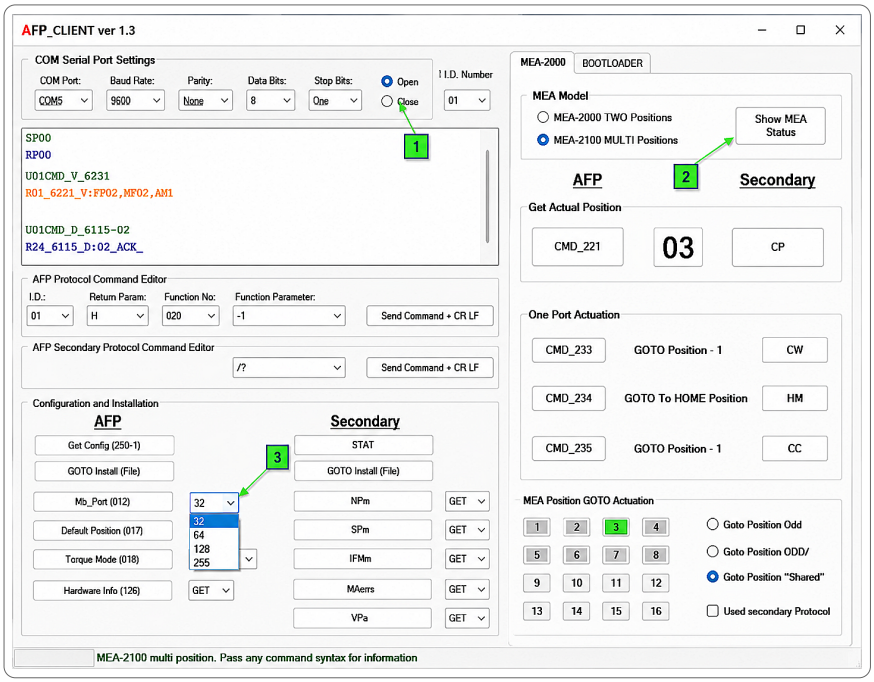
**Refer to other technical note about controlling the MEA-2100 in serial communication**

## Set to NB. of Port

1, Open the serial communication port

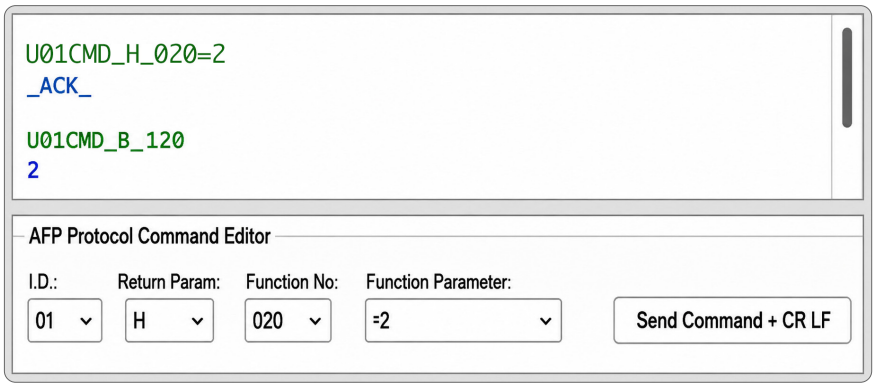
2, Press “Show MEA Status” to give information to the AFP_CLIENT

3, SET the MEA-2100 Number of Port to 08

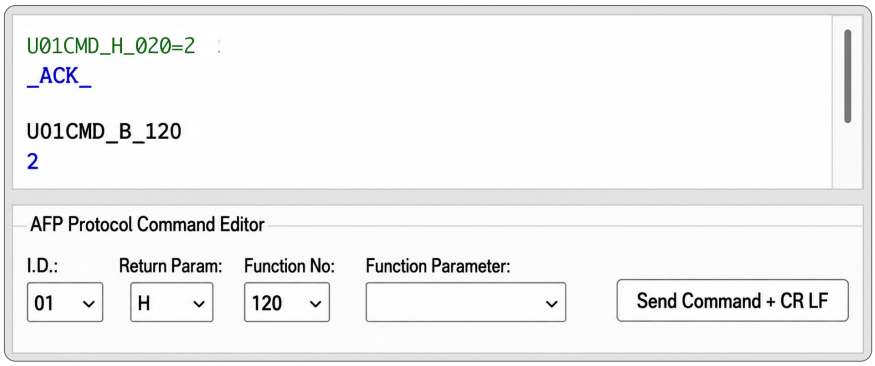



## Enable the AFP Secondary Protocol

SET with the AFP command 020 and parameter 2




Verify the configuration with the AFP command 120

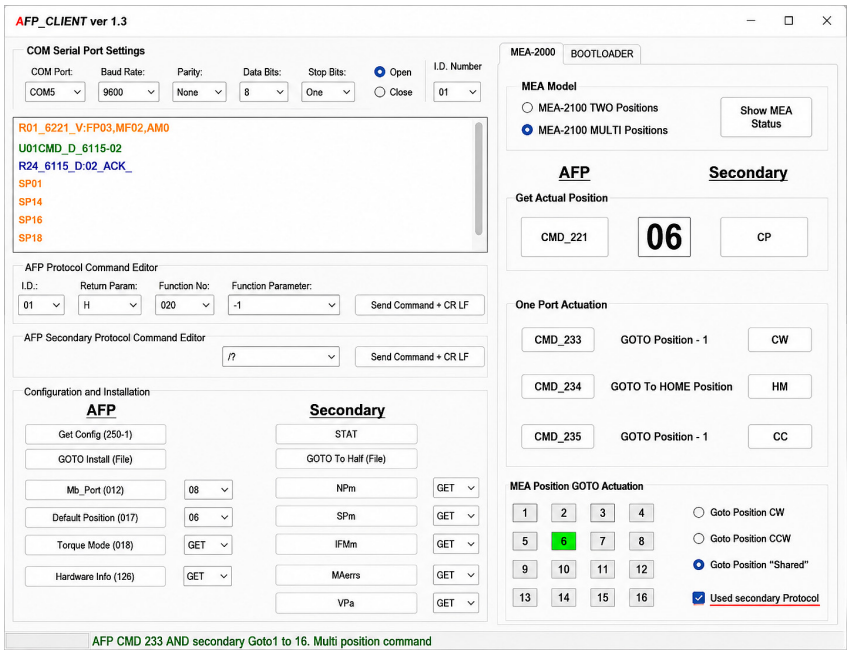


# MINIMUM MEA-2100 CONFIGURATION

## Use the secondary protocol actuation command

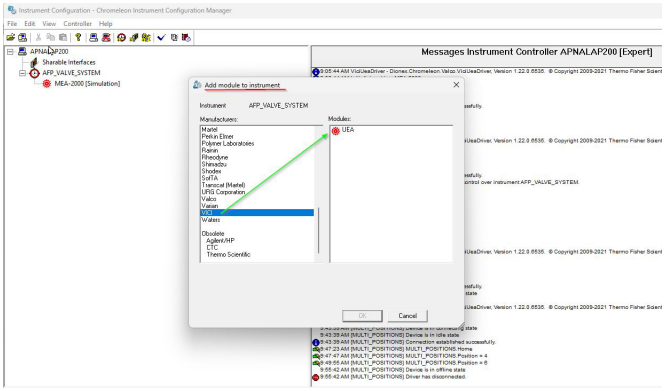
1, GOTO (GOxx)

2, CC.CW.HM

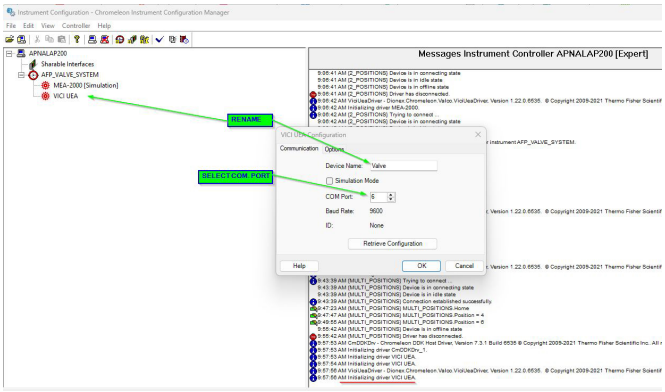



## Configuring the Chromeleon Software

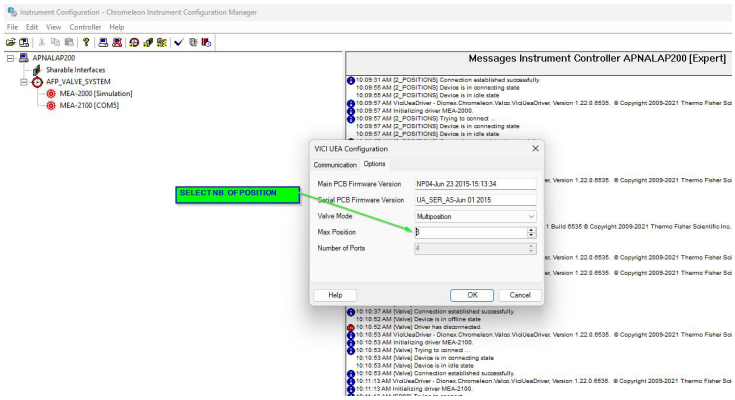
### Step 1: Select an Instrument




### Step 2: Configure Communication Settings




### Step 3: Configure the number of ports (positions)





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