PreSens Measurement Studio 2 –

Getting Started

1. Connect the O_2, pH and / or CO_2 meters via USB to your PC and start the software. The meters are displayed in the Devices and Channels section on the left of the software window.

2. Create a new user:
   Go to the Users tab and click on **New** in the control panel. Enter a user name. Then select a device channel in the Devices and Channels section and click the **Assign to** button in the control panel to assign the new user to the channel. Repeat this with all channels you are going to use.
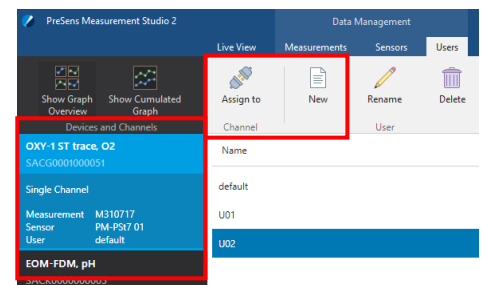

Fig. 1: New user created – assign it to channels

3. Create a new measurement:
   Go to the Measurements tab and click on **New** in the control panel. Enter a name for the new measurement. Then select a device channel in the Devices and Channels section and click the **Assign to** button in the control panel to assign the new measurement to the channel. This is necessary so data measured with this channel can be recorded. Repeat this with all channels you are going to use.
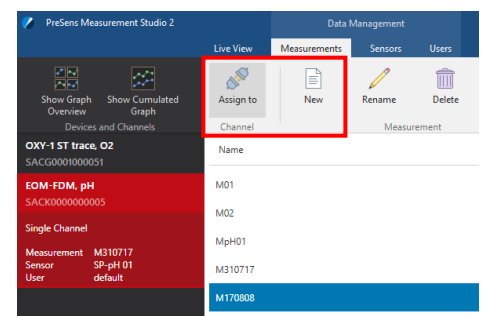

Fig. 2: New measurement created – assign it to channels

4. Import a new sensor from barcode (O_2 Sensors):
   Go to the Sensors tab, click on **Import** in the control panel and choose **Barcode** in the dialog that opens. Then scan the sensor's barcode with the PreSens handheld USB-QR barcode scanner. The sensor data will be displayed and you have to enter a sensor name. Click on **Import** and then on **Save all** in the Import Sensor dialog. Select a device channel in the Devices and Channels section and click **Assign to** in the control panel.
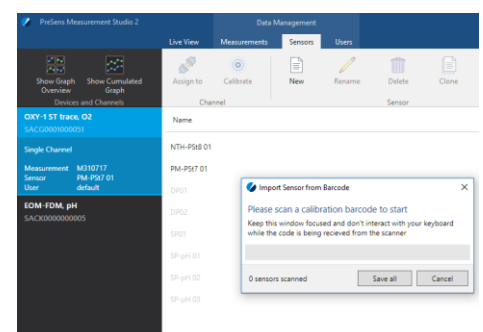

Fig. 3: Import Sensor from Barcode dialog

   Create a new sensor (O_2, pH and CO_2 Sensors):
   Click on **New** in the control panel of the Sensors tab. Enter a sensor name and the sensor type in the dialog that opens. The input field for calibration data and sensor constants will open. Enter the calibration and constants values stated on the Final Inspection Protocol delivered with the sensor in the respective input fields and click **Save**. Select a device channel in the Devices and Channels section and click **Assign to** in the control panel.
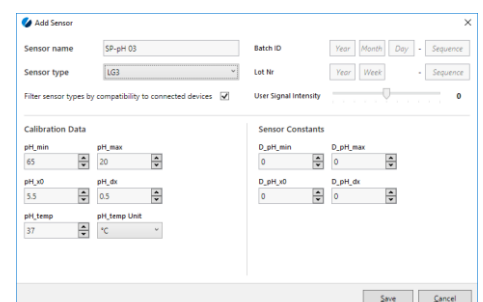

Fig. 4: Add Sensor dialog

5. When you have assigned a user, measurement and sensor to each device channel you want to use, switch to the Live View tab. Adjust the measurement settings for each channel (left hand side of the main screen):
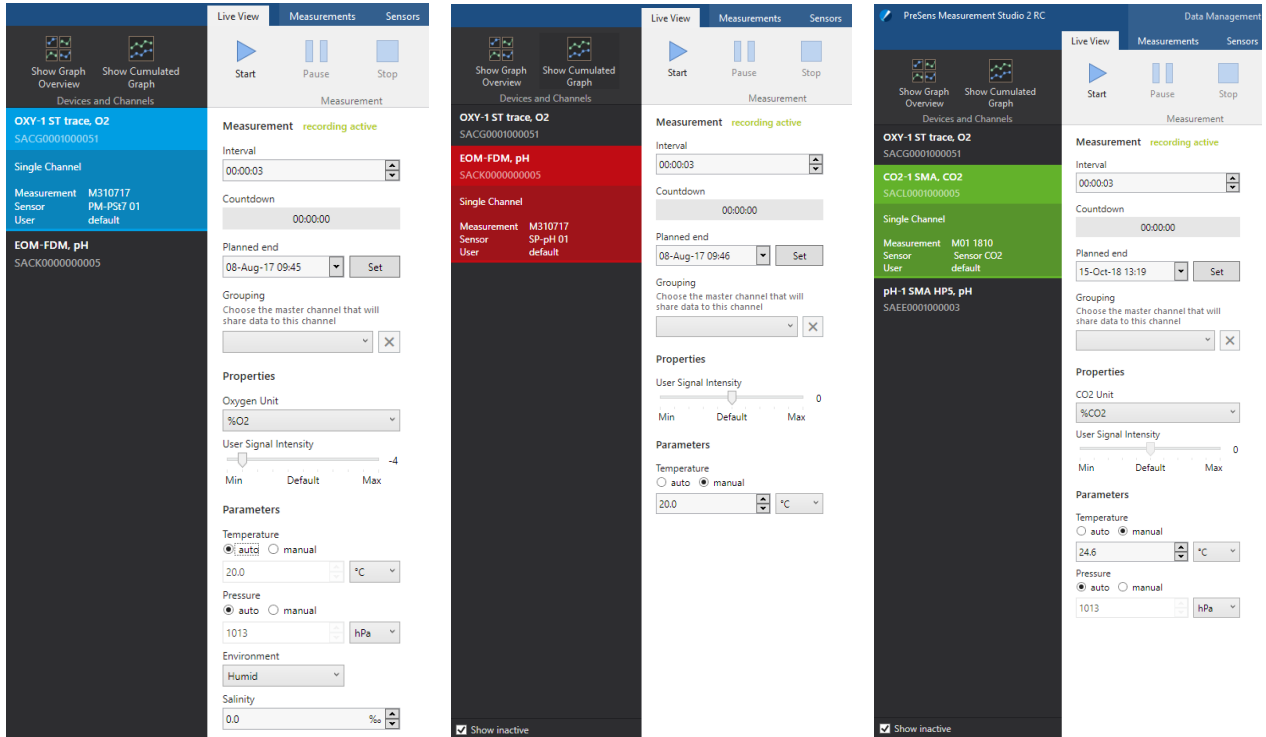

Fig. 5: Measurement settings for oxygen, for pH, and for CO$_2$ measurements

6. Click the **Start** button in the control panel to start the measurement. (Recording measurement data is already activated once a measurement is assigned to the channel; use the **Deactivate** button, if you do not wish to record measurement data). Repeat this for all channels you want to use.
In order to start measurements with all channels simultaneously switch from Single Channel to the **Multi Channel View** (control button in the upper right of the software window), select all channels you want to measure with and click **Start** in the control panel.
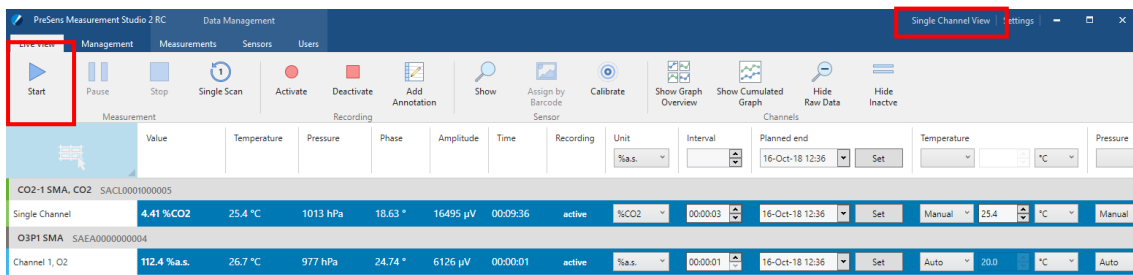

Fig. 6: Multi Channel View – Start a measurement with all channels simultaneously

7. Go to the **Measurements** tab, select a measurement and click on **Export** in the control panel to export the respective measurement data in .csv or .xls format.