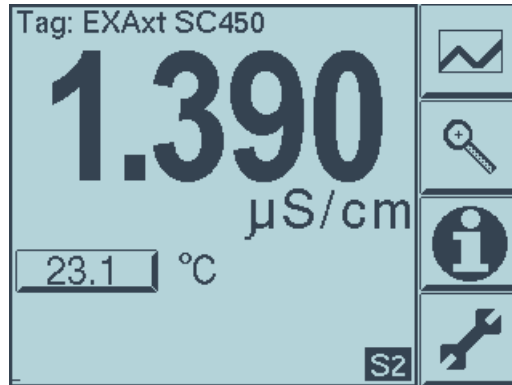


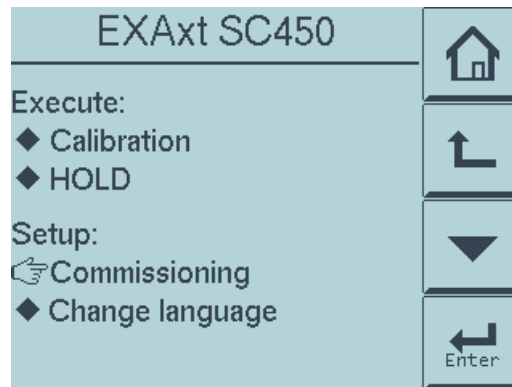
SET UP SC450 TO READ TEMPERATURE COMPENSATED AND TEMPERATURE NON-COMPENSATED CONDUCTIVITY ALONG WITH USP ALARMS



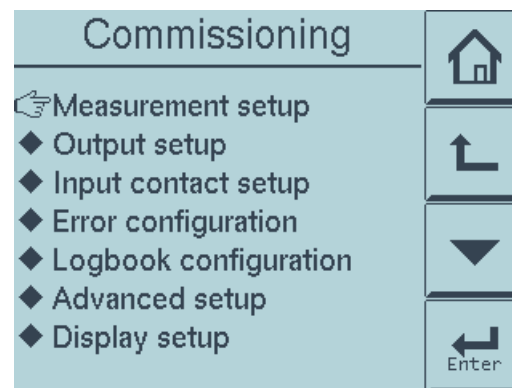
APPLICATION NOTE



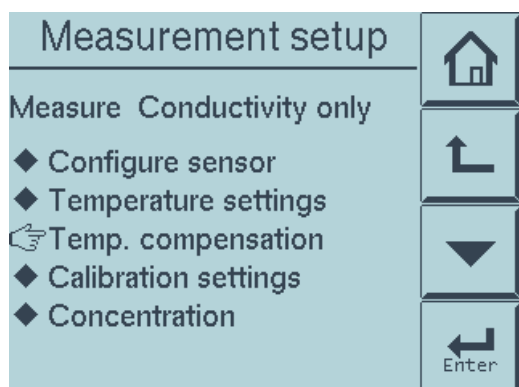
Press the wrench



Press commissioning



Press measurement setup

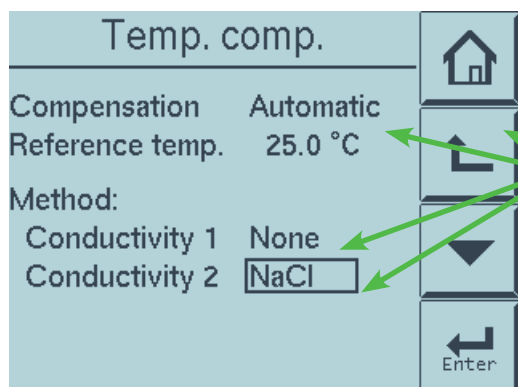


Measurement setup

- ◆ Configure sensor
- ◆ Temperature settings
- ☞ Temp. compensation
- ◆ Calibration settings
- ◆ Concentration

Navigation icons: Home, Up, Down, Enter

Press Temp. Compensation



Temp. comp.

Compensation Automatic

Reference temp. 25.0 °C

Method:

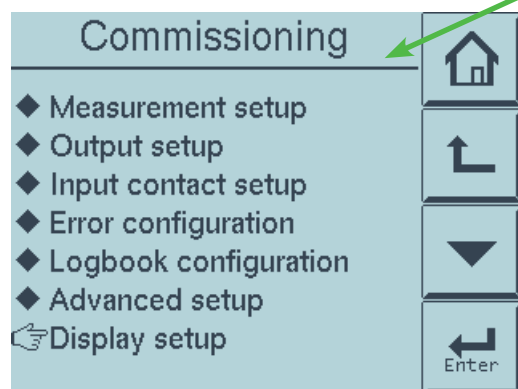
Conductivity 1 None

Conductivity 2 NaCl

Navigation icons: Home, Up, Down, Enter

Leave Compensation on Automatic,
Change Conductivity 1 to NONE and
Conductivity 2 to NaCl

Then... Hit the return key twice to
return to the Commissioning Screen

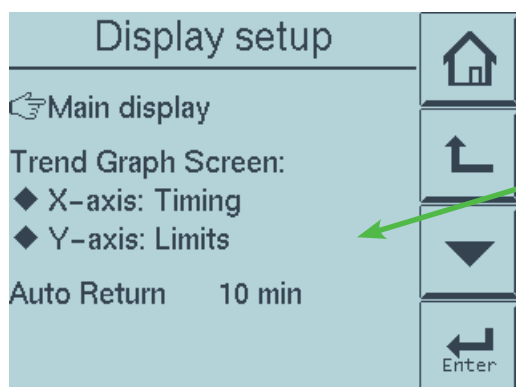


Commissioning

- ◆ Measurement setup
- ◆ Output setup
- ◆ Input contact setup
- ◆ Error configuration
- ◆ Logbook configuration
- ◆ Advanced setup
- ☞ Display setup

Navigation icons: Home, Up, Down, Enter

Press the Display



Display setup

☞ Main display

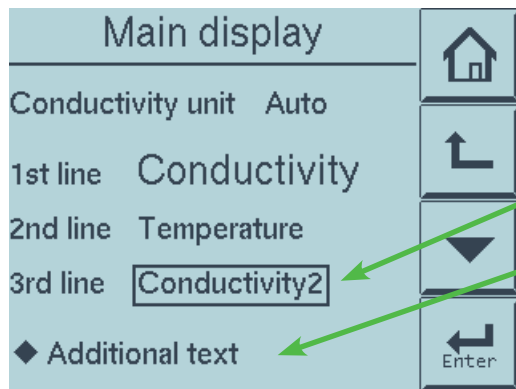
Trend Graph Screen:

- ◆ X-axis: Timing
- ◆ Y-axis: Limits

Auto Return 10 min

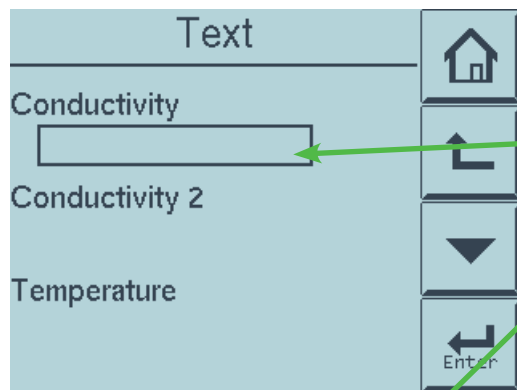
Navigation icons: Home, Up, Down, Enter

Press the Main Display

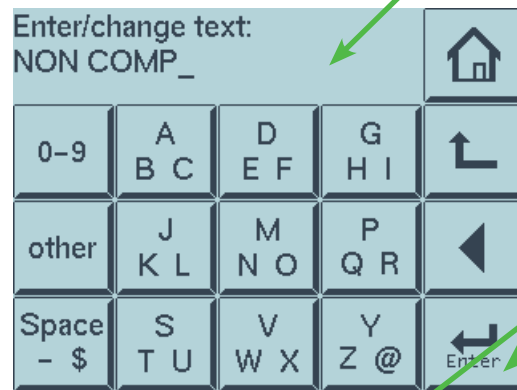


Set the 3rd line to Conductivity 2

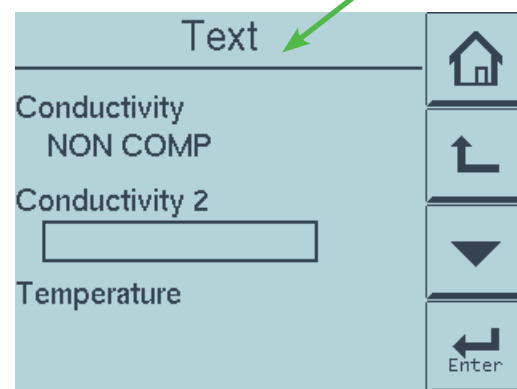
Then I would select the Additional TEXT



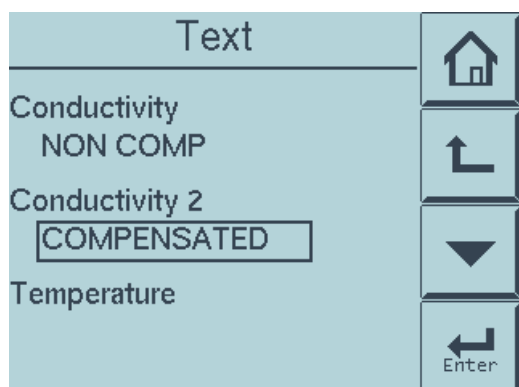
I would add NON COMP to the Conductivity up selected the box under the words



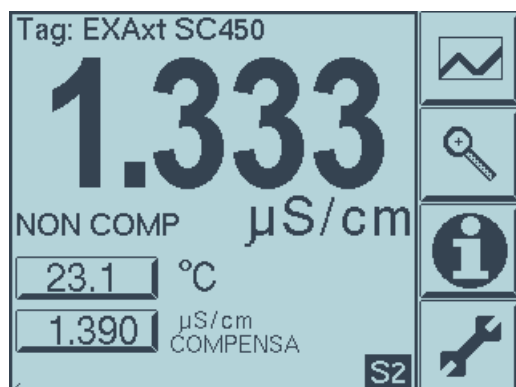
Now Hit the Enter Key to go back one screen



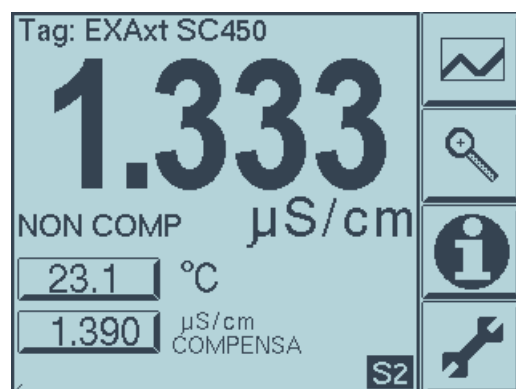
Now select the box under Conductivity 2 and add COMPENSATED and hit the enter key to Return to the TEXT screen



Now Hit the House

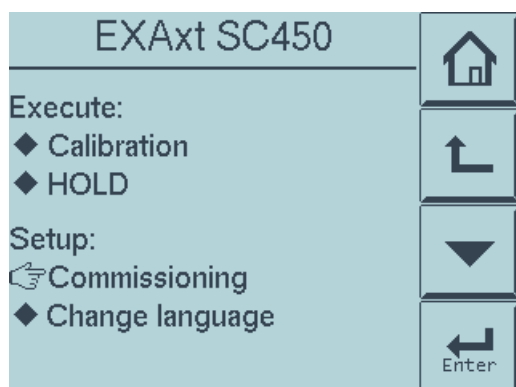


So now because of the way we set up the Methods on the TEMP. Comp screen the Main Line on the home screen shows them non-compensated conductivity value and the third line shows them their compensated conductivity reading.

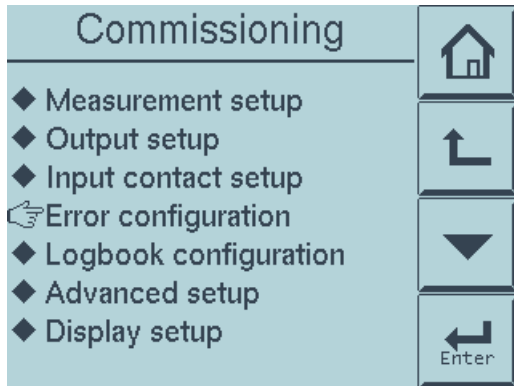


Now below are the setups to set up the USP option if they need it, leaving the Conductivity 1 and Conductivity 2 the way I have them set up above with Conductivity 1 set to NONE

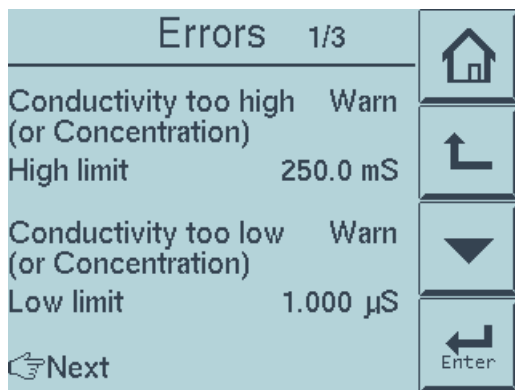
Press the wrench



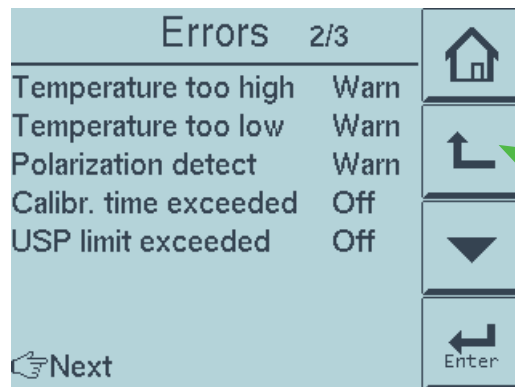
Press Commissioning



Press Error Configuration

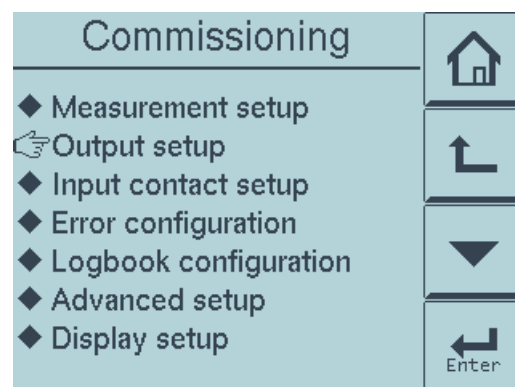


Press Next

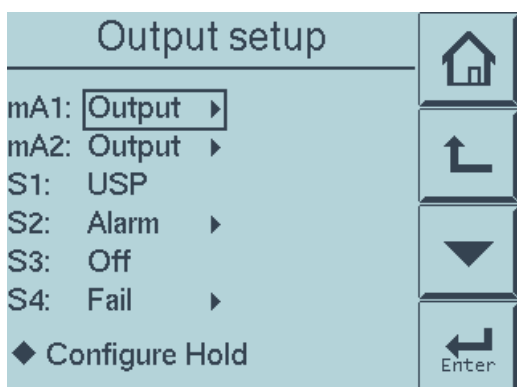


Change USP Limit Exceeded to WARN by pressing on the words next to the line and using the up and down arrows.

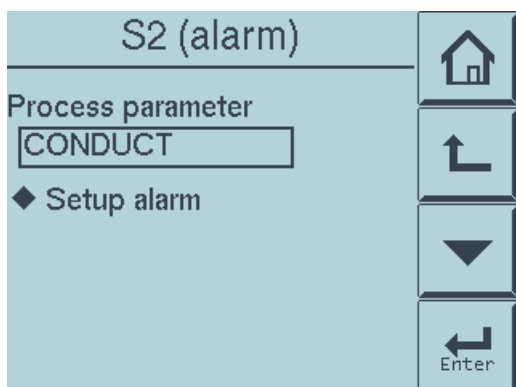
Now... press the return arrow twice to return to the commissioning screen



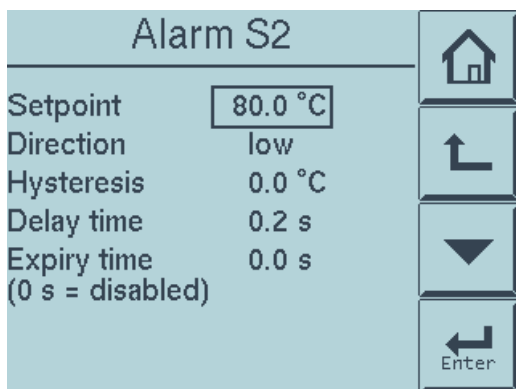
Press the Output Setup



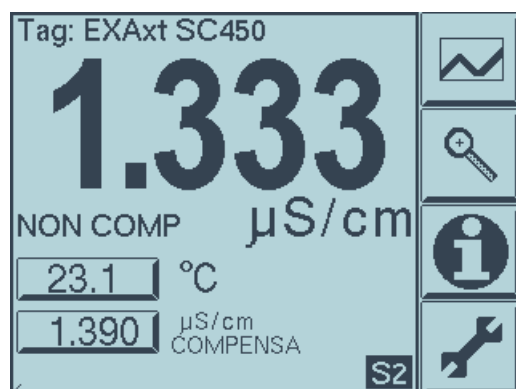
Set S1 to USP by using the drop down box next to the line



Set S2 to Alarm, and this screen will pop up. Change the process parameter to temperature, and select Setup alarm.



Set up the alarm parameter to the following: Setpoint 80C, Direction Low, Delay Time 0.2s, Expiry Time 0 (disabled)



Then... Select the House to return to the main display. The unit is now set for USP alarms as well as Compensated and non Compensated Conductivity readings.