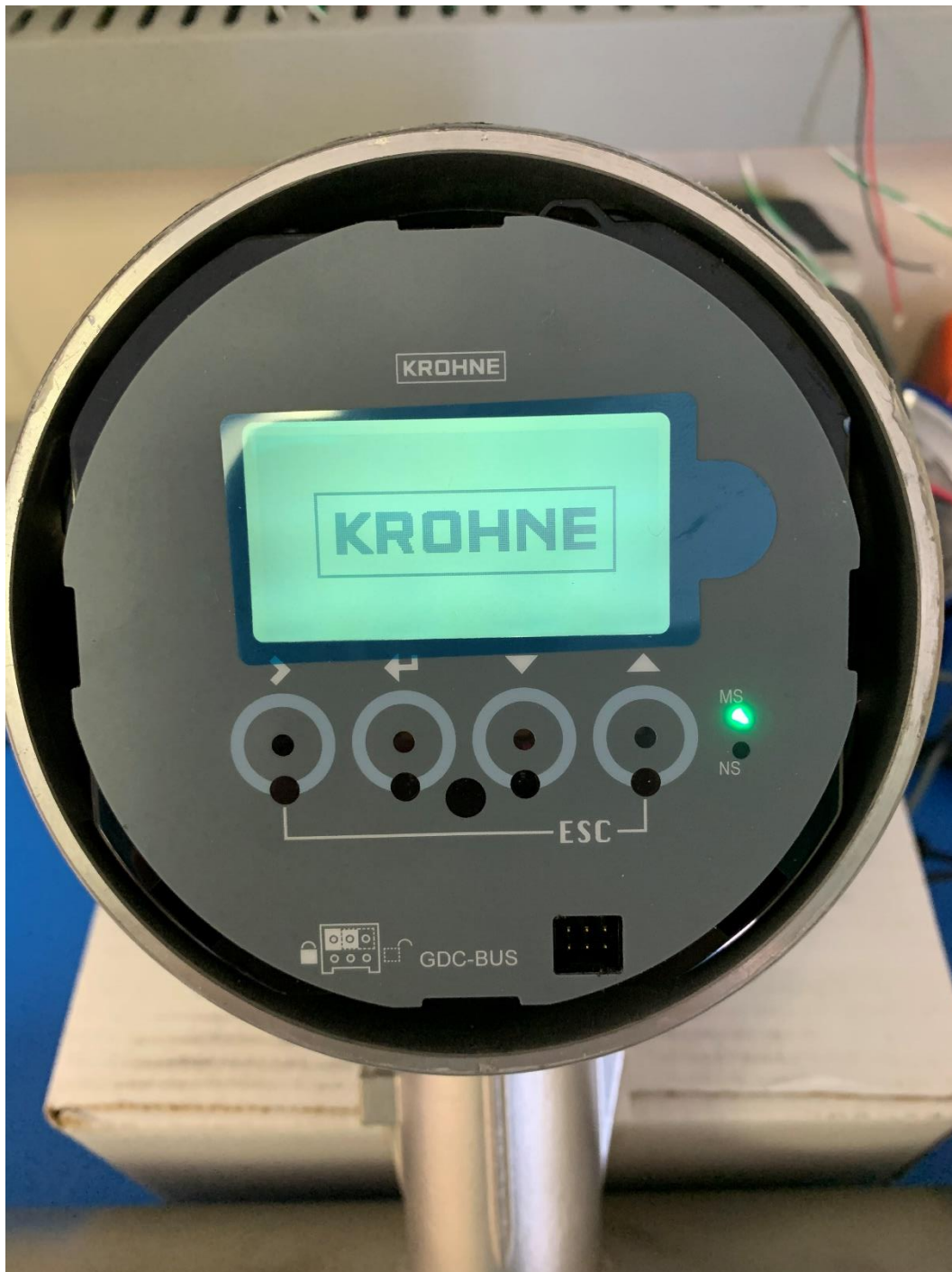




Krohne MFC 400S Display Guide



This is the new Modbus electronics. If you see the two light indicators on the right-hand side. That means it is the new electronics.



Hold to get to menu. Enter Key.



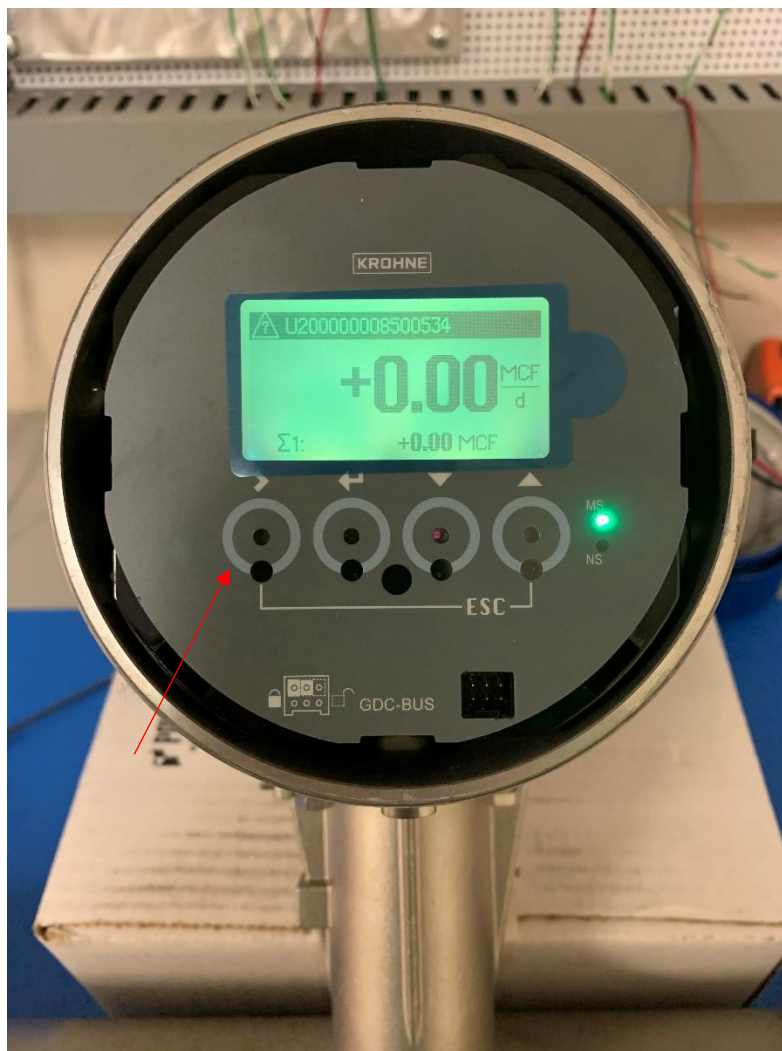
Back Button



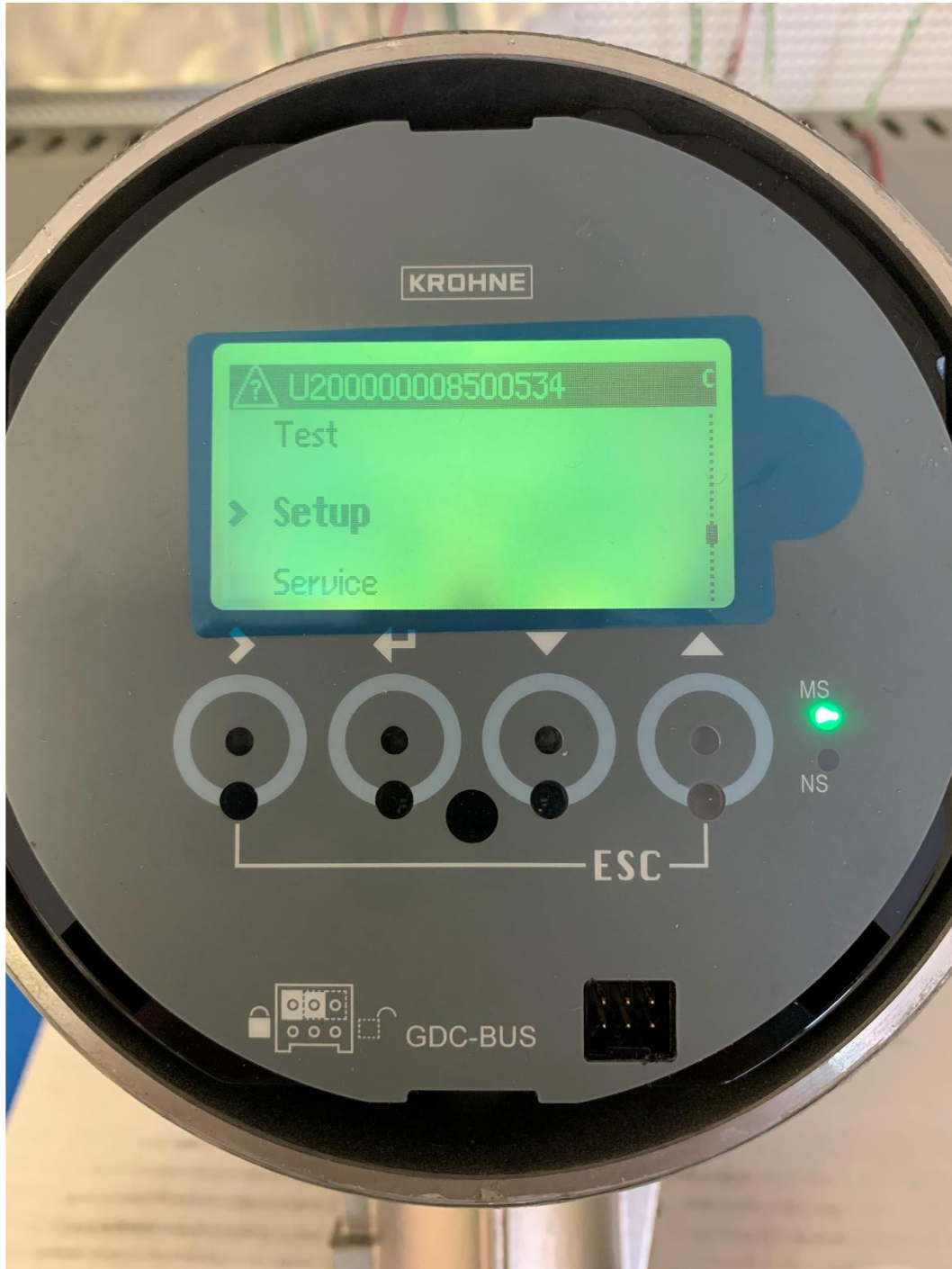
Down Key



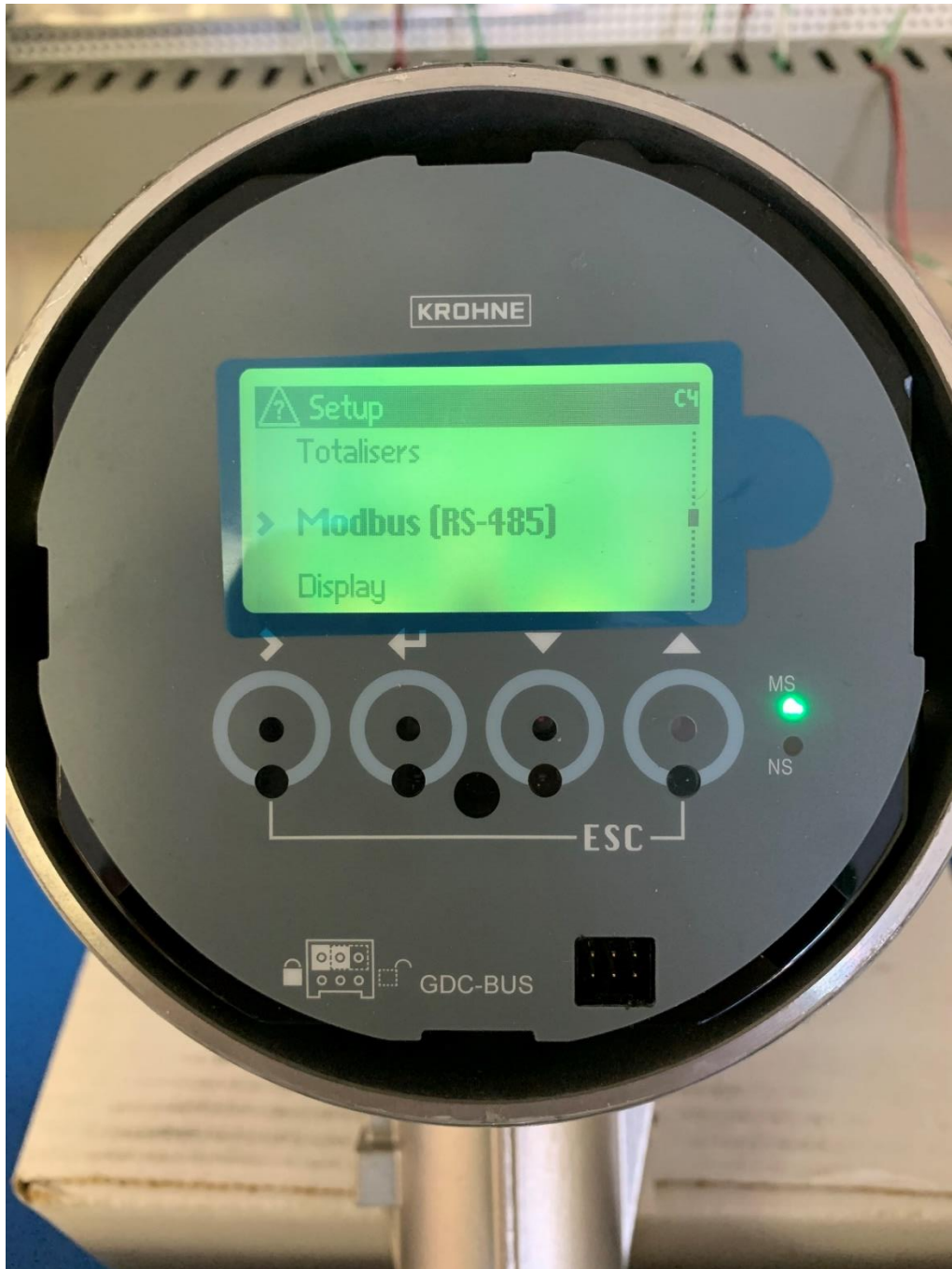
Up Key



Pressing the (> Key) is how you get to the Krohne Settings menu



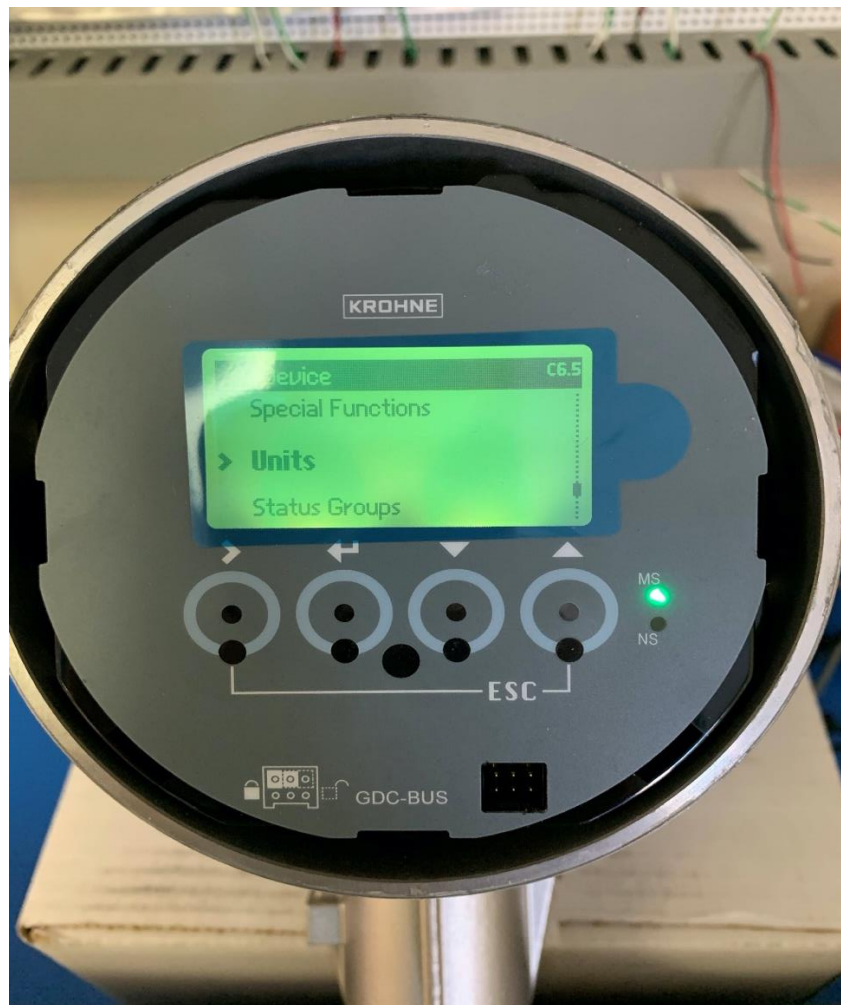
Select Setup (> Key)



Setup/Modbus (RS-485)

This is where you will make the necessary changes to your Address, Baud Rate, and Parity.
Everything communication will be under this directory.

Setup/Device/Units



For oil/water meters the units will be as follows.

Volume Flow- barrel/day
Mass Flow- lb/min
Flow Velocity- ft/s
Temperature- F
Volume- barrel
Factory- 6.289810
Mass- lb
Density- kg/m³

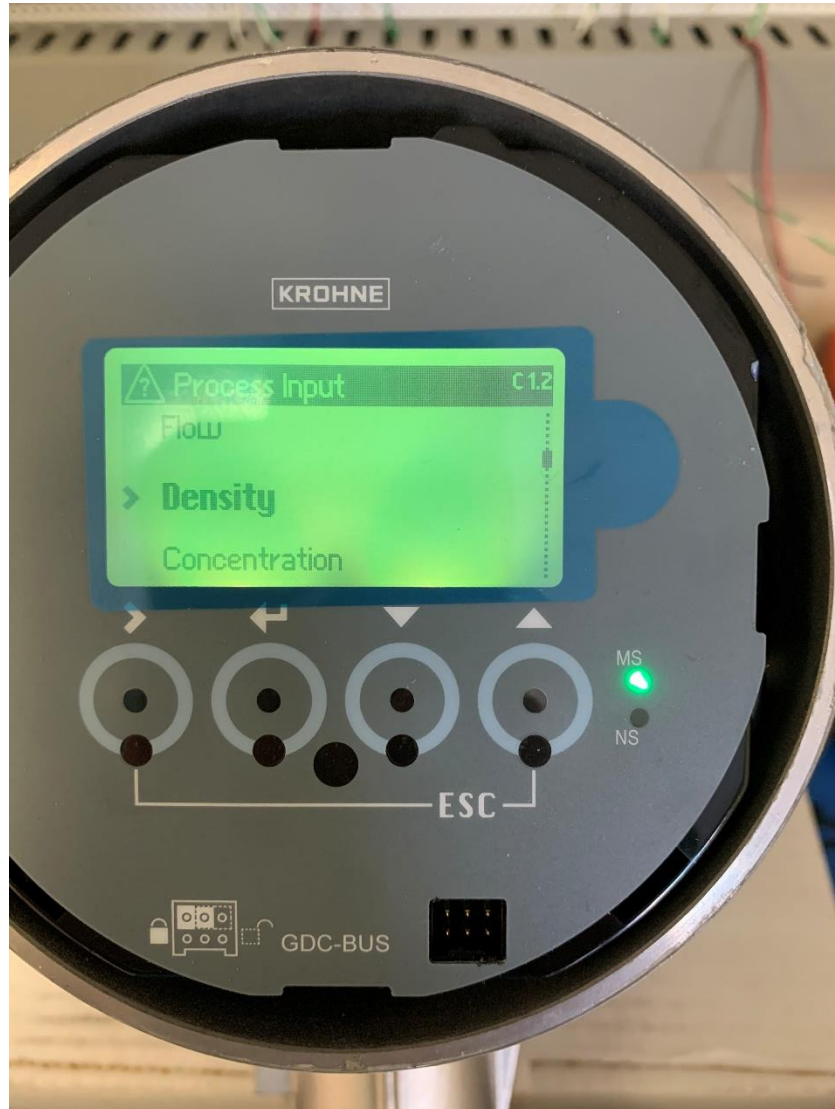
For gas meters the units will be as follows.

Volume Flow-Free Unit
Text Free Unit- MCF/D
Factor- 3051216.10
Mass Flow- lb/s
Flow Velocity- ft/s
Temp- F
Volume- Free Unit
Text Free Unit- MCF
Factor- 35.315
Mass- lb
Density- SG



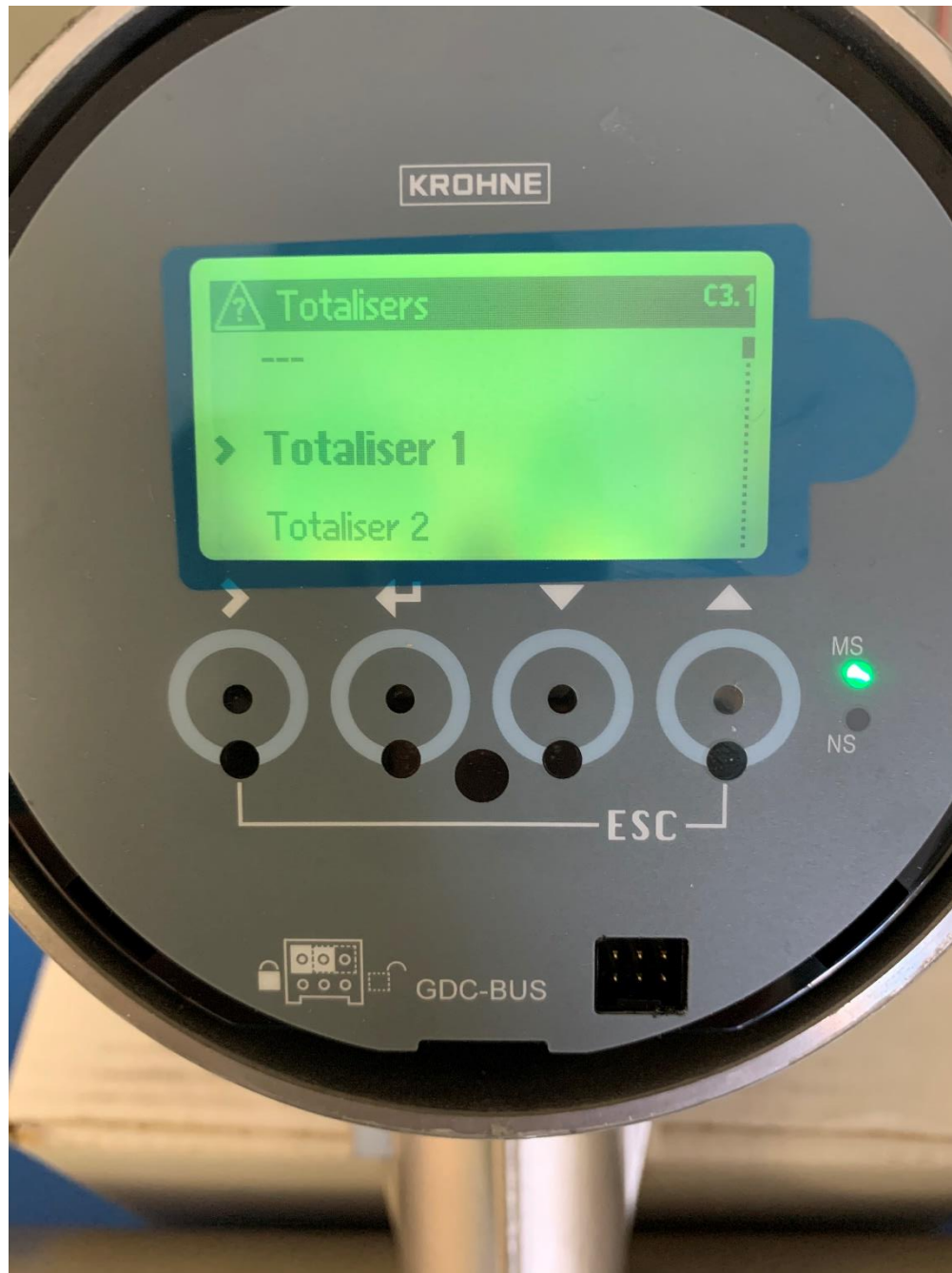
Setup/Process Input

Note: Under Setup/Process Input/I/O/Pulse output you will find your low flow cutoff.



Setup/Process Input/Density

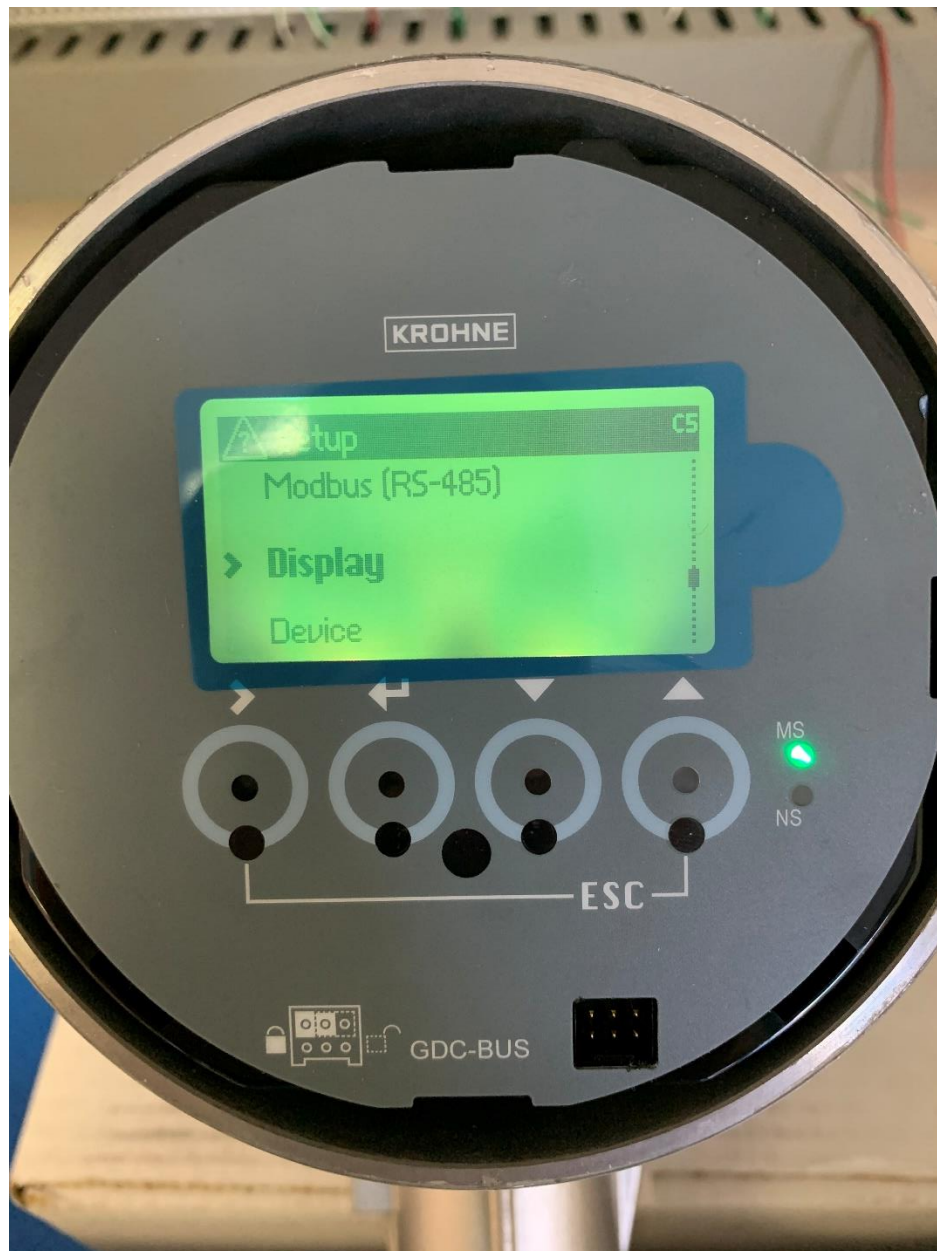
Density Mode if this meter is being used for gas select Fixed. If the meter is being used on oil use process. Configure fixed density to specifications.



Setup/Totaliser/Totaliser 1

1. Totaliser Function: Incremental total
2. Measurement: Volume Flow

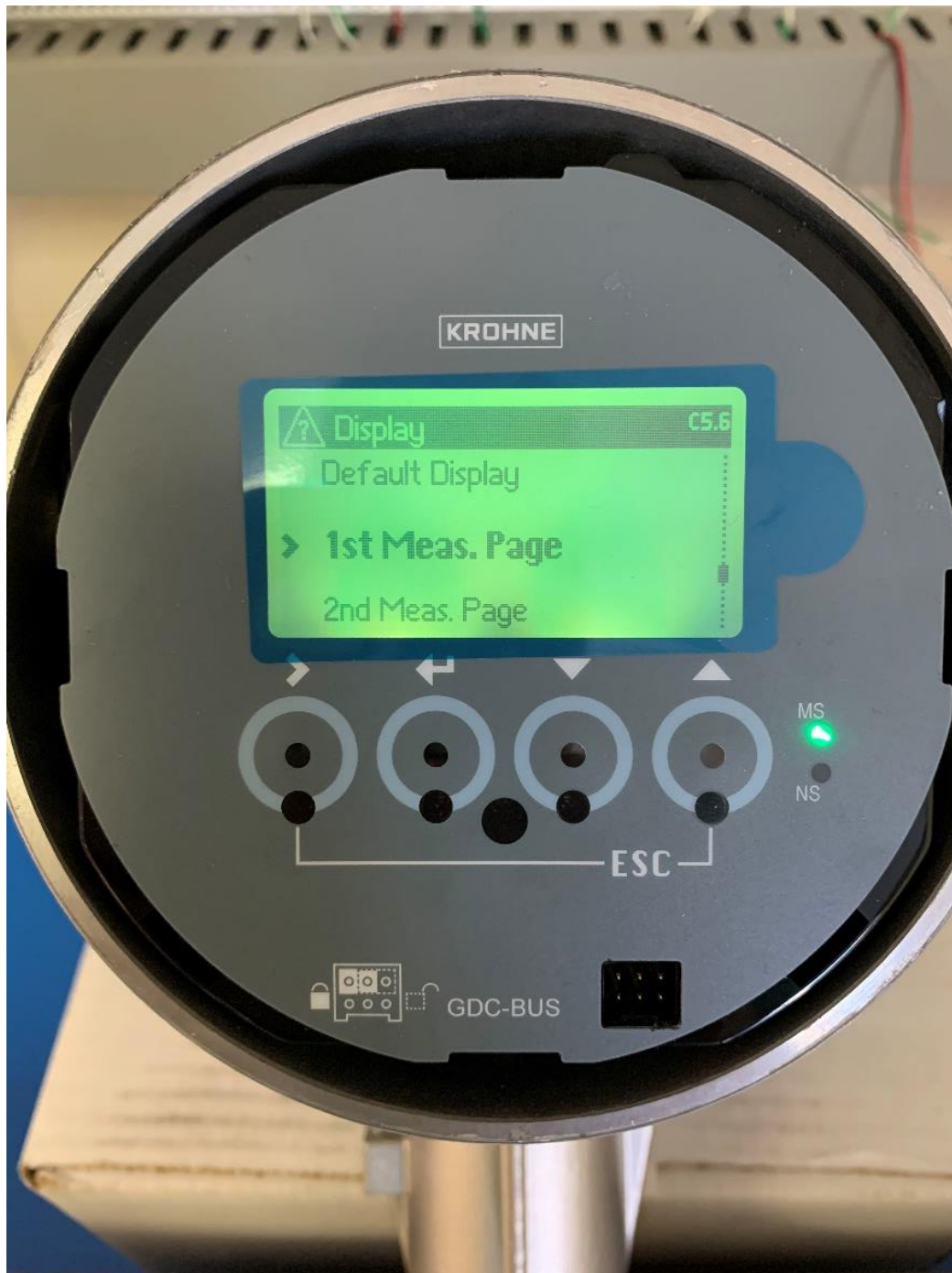
Note: you can reset, set, stop, or start the totaliser. If you are using more than one totaliser you must start the totaliser. Totaliser 1 will automatically start counting but the rest you must select to start.



Setup/Display

1. Language: English
2. Optical Keys: Enabled
3. Backlight: NE107 Color
4. Default Display: 1st Meas. Page

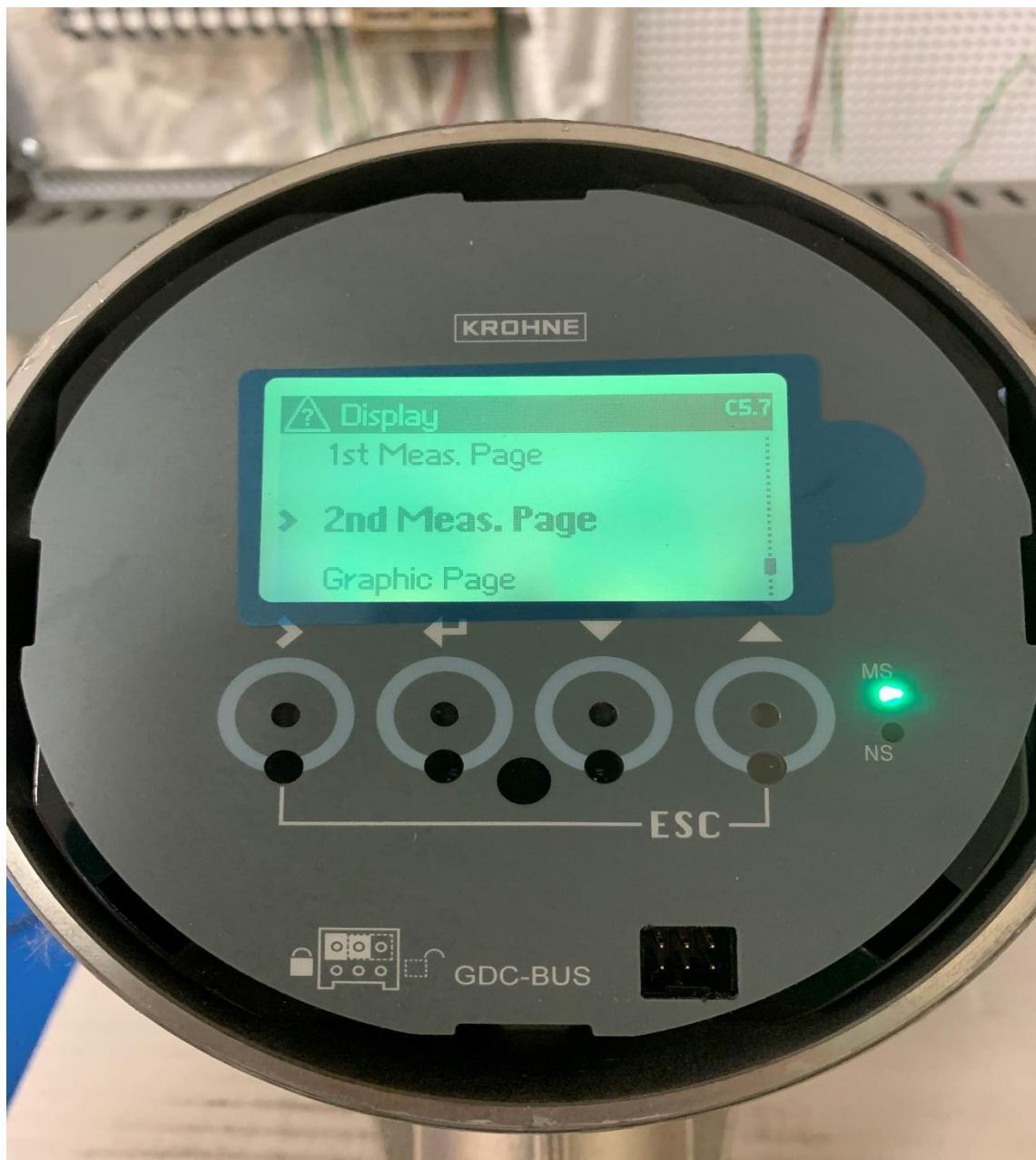
*Note: meter can indicate health of meter by color of backlight.
Red indicates fault conditions.*



Setup/Display/1st Meas. Page

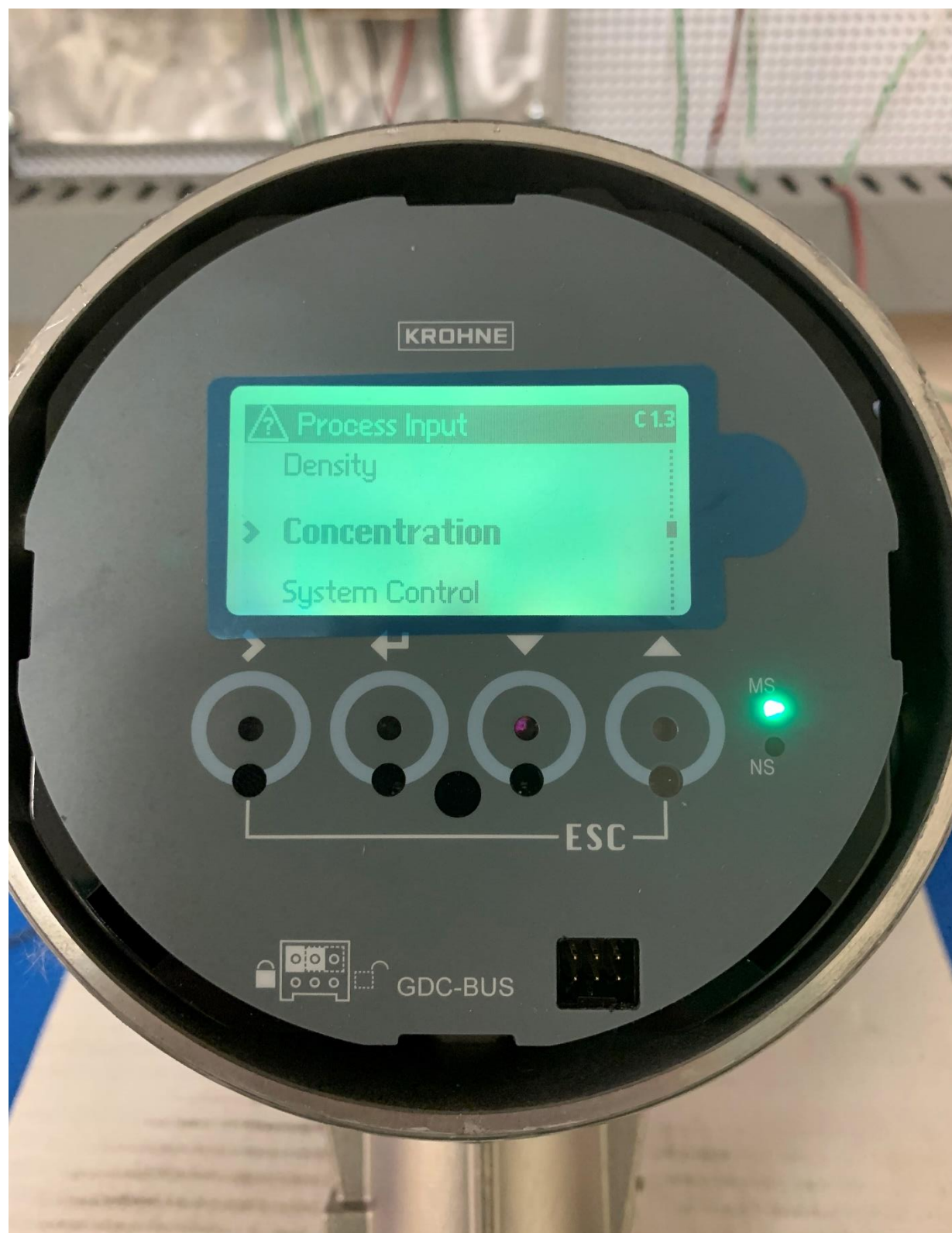
1. Function: Two Lines
2. 1st Line Variable: Volume Flow
3. Low Flow Cutoff: Value 1%
4. 1st Line Format: Automatic

5. 2nd Line Variable: Totaliser 1 Volume
6. 2nd Line Format: Automatic

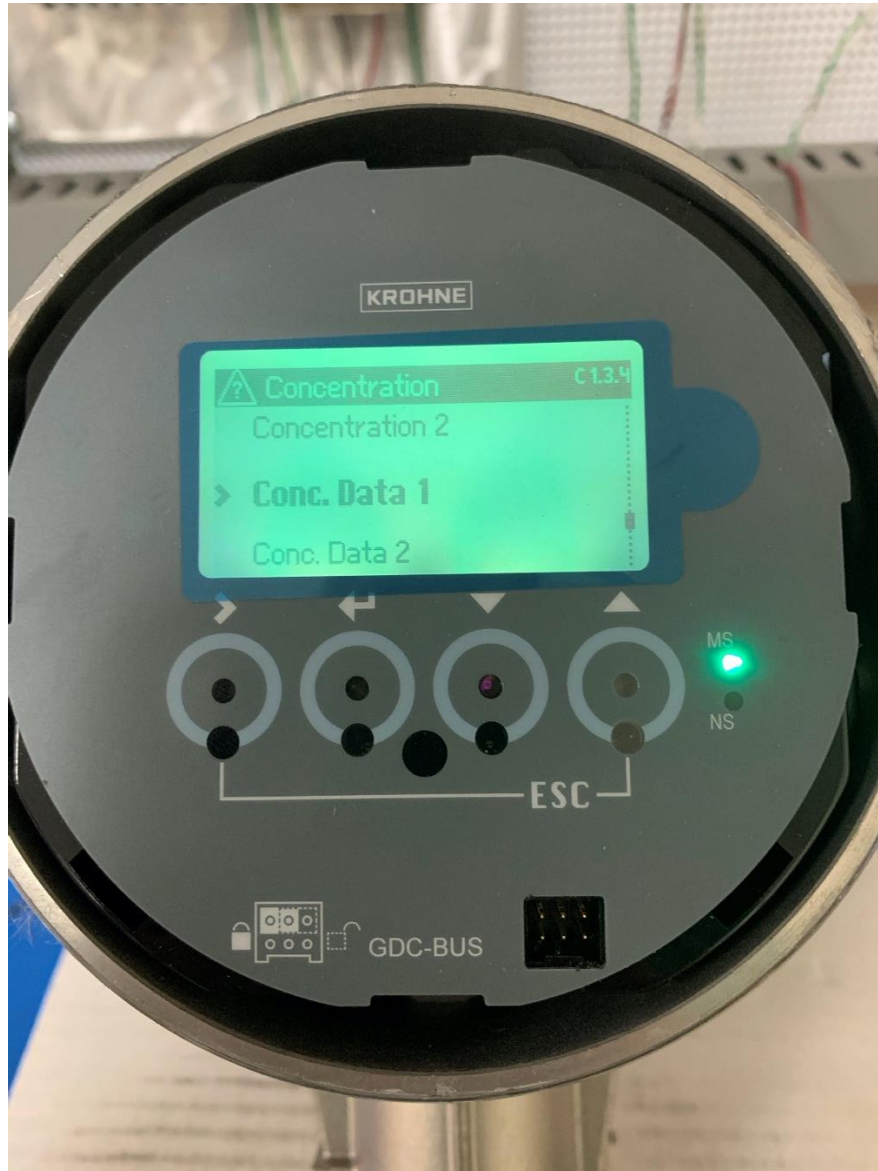


2nd Meas. Page

1. Function- Three Lines
2. 1st Line Variable- Density
3. 1st Line Format- Automatic
4. 2nd Line Variable- Temperature
5. 2nd Line Format- Automatic
6. 3rd Line Variable- Drive Level
7. 3rd Line Format- Automatic

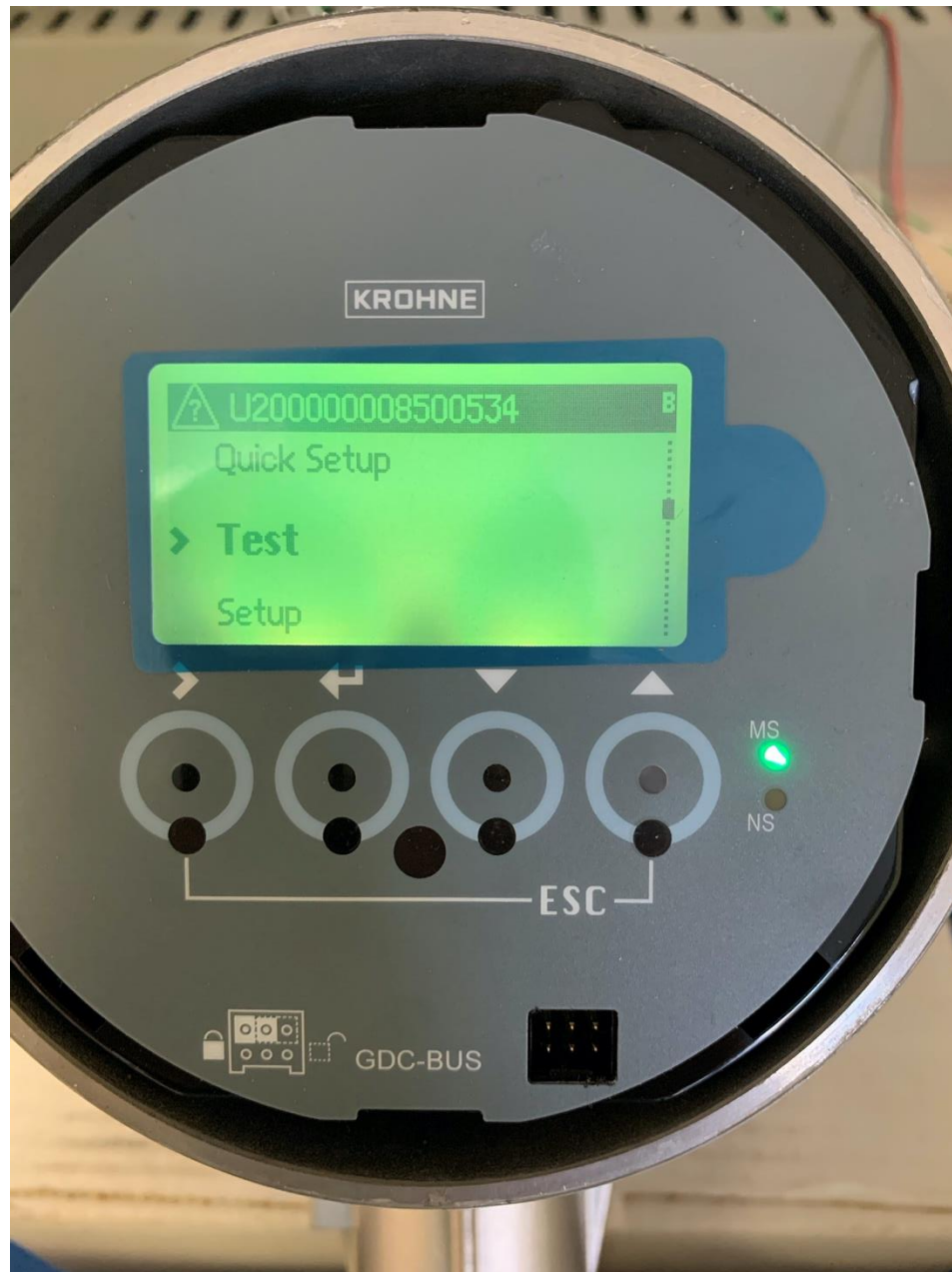


Setup/Process Input/Concentration

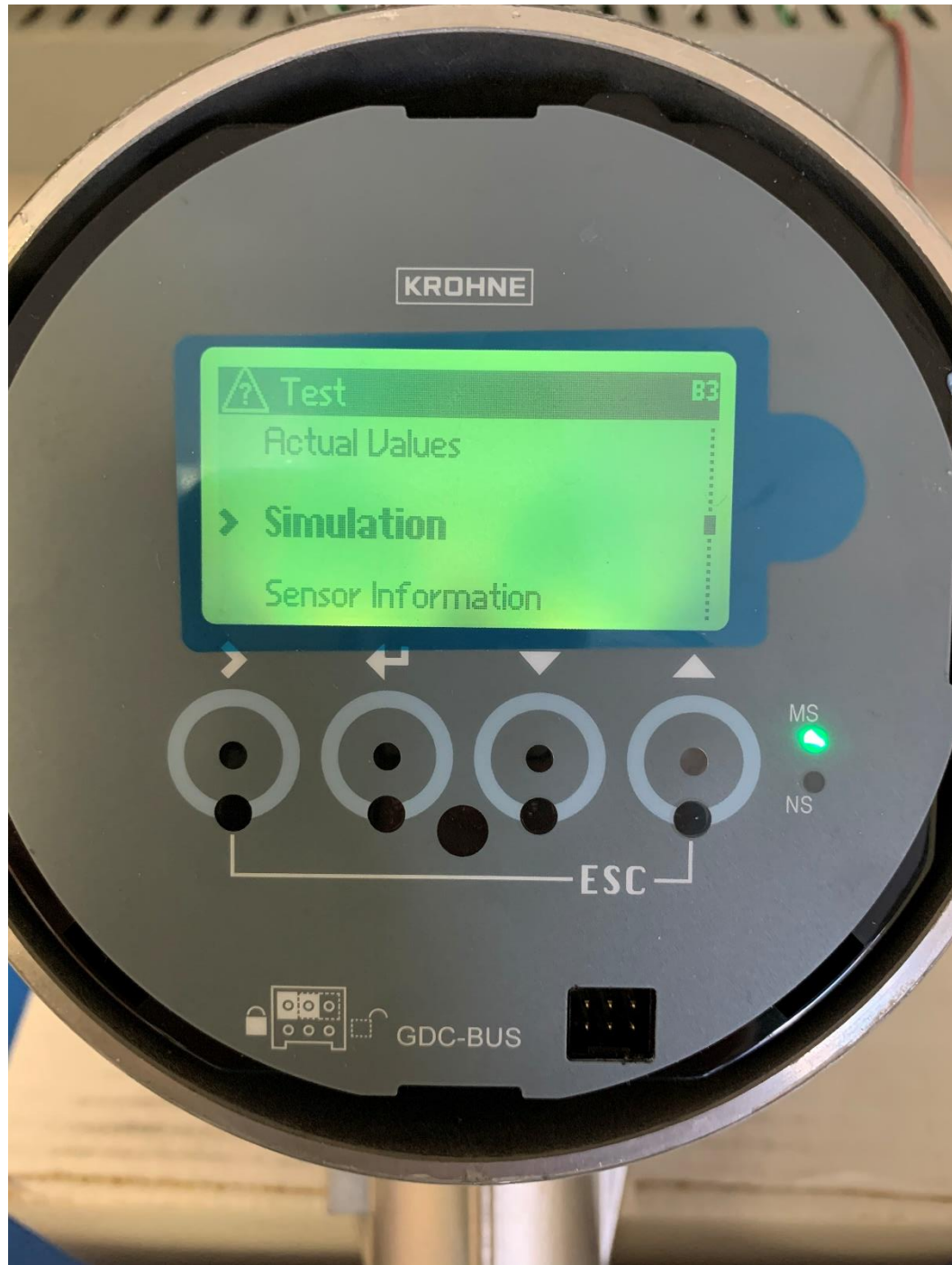


Setup/Process Input/Concentration/ Conc. Data 1

- CCF01- Linear
- CCF02- +0.78473
- CCF03- -6.96861
- CCF04- +111.348
- CCF05- Other
- CCF06- +1.07860
- CCF07- -4.44908
- CCF08- +7.00737

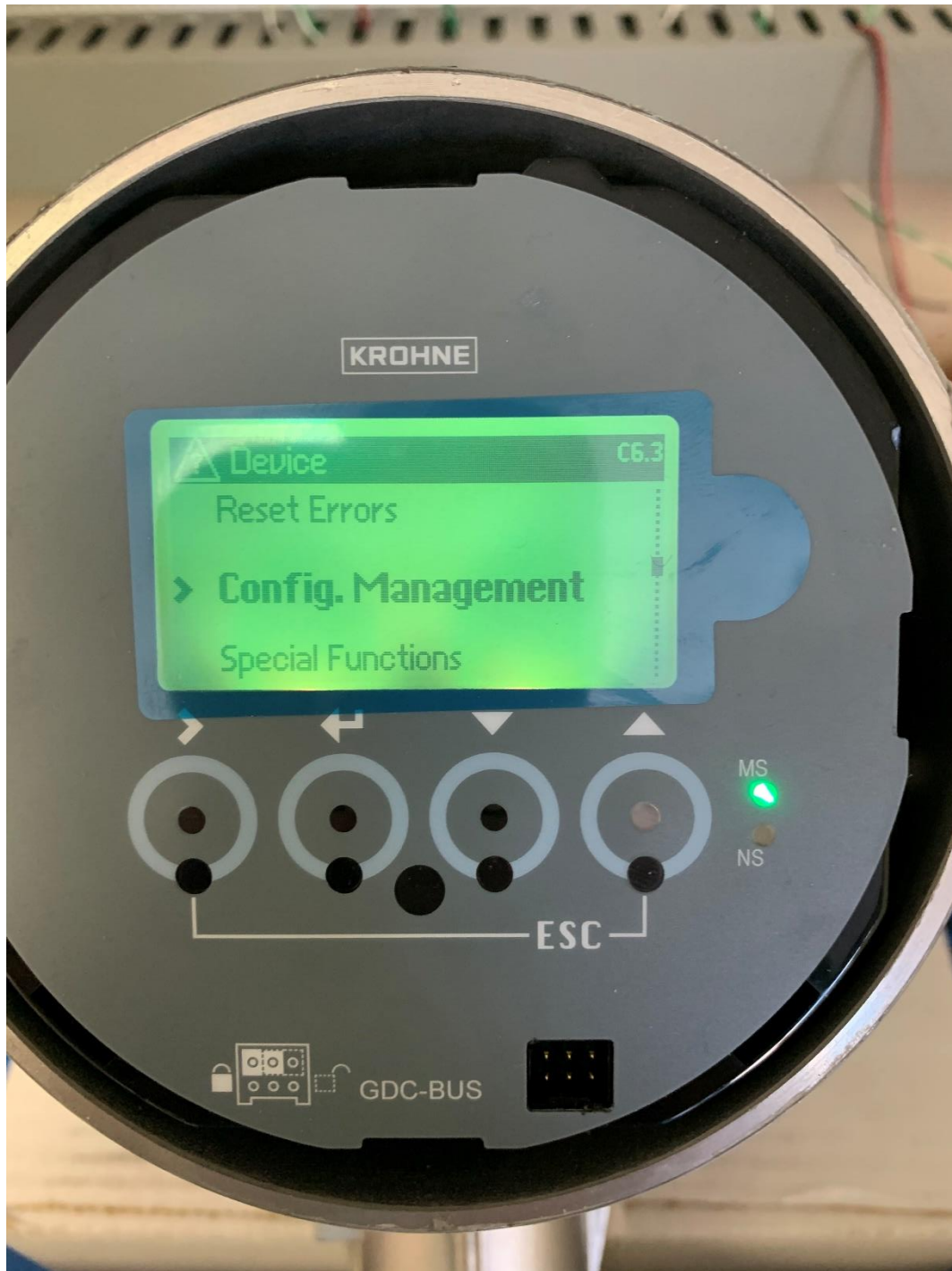


Test/Simulation



Test/Simulation

If you are not flowing anything through the meter. You can do a simulation to diagnose or make sure your configuration is good. You can test mass flow volume flow and many more.



Setup/Device/Config. Management

1. Save Settings: choose backup 1 or 2. This will allow you to have different backups you can store on the meter.
2. Load Settings: Loading the backup from 1 or 2 so you can configure your meter.
3. Factory Reset: Default meter back to factory settings.