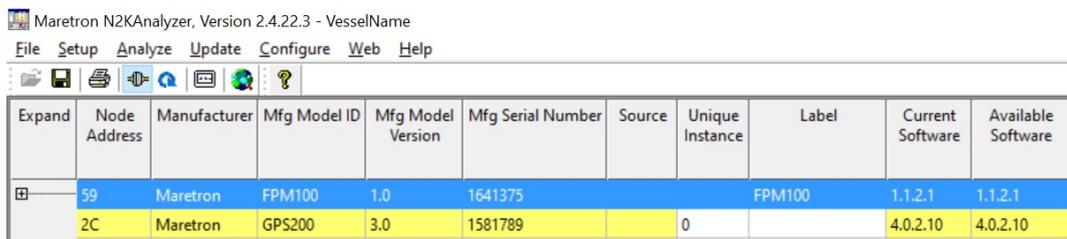# Can Maretron monitor a kerosene tank?

Yes! Using the Maretron FPM100 paired with either our submersible (Part # PTS-0-xPSI-01) or external (Part # PT-0-xPSI-01) pressure transducers will be able to monitor this type of fuel successfully.

Kerosene has a density level of 0.81 g/cm^3 or 810 kg/m^3.

Please follow the steps below utilizing N2KAnalyzer on a PC paired with a Maretron gateway, such as the USB100 or IPG100.

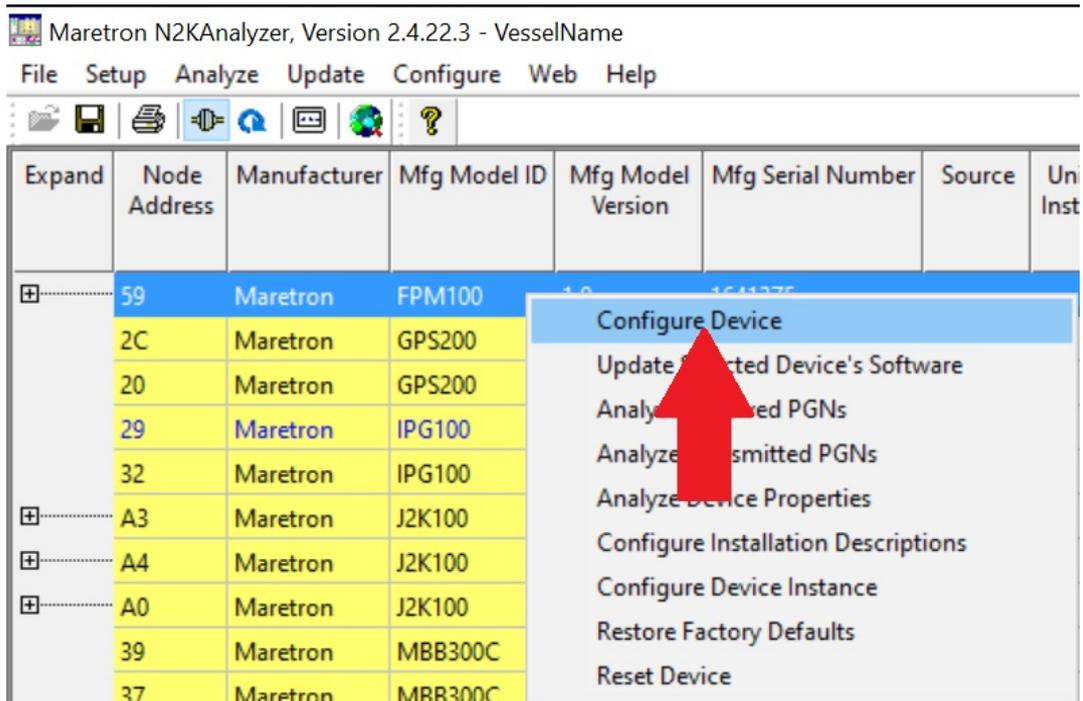1. Locate your FPM100 on your list of connected devices on the NMEA2000® network.


2. Right-click on the FPM100 and select to **Configure Device**

3. Identify the channel of the FPM100 you are utilizing and input the pressure transducer details as well as the tank parameters.
   * For the fluid type select **Fuel** if you are monitoring the level from any 3rd party MFD
   * When monitoring via a Maretron DSM series or N2KView display, you can select either **Fuel** or a **Reserved** value so that they can be separated if desired.
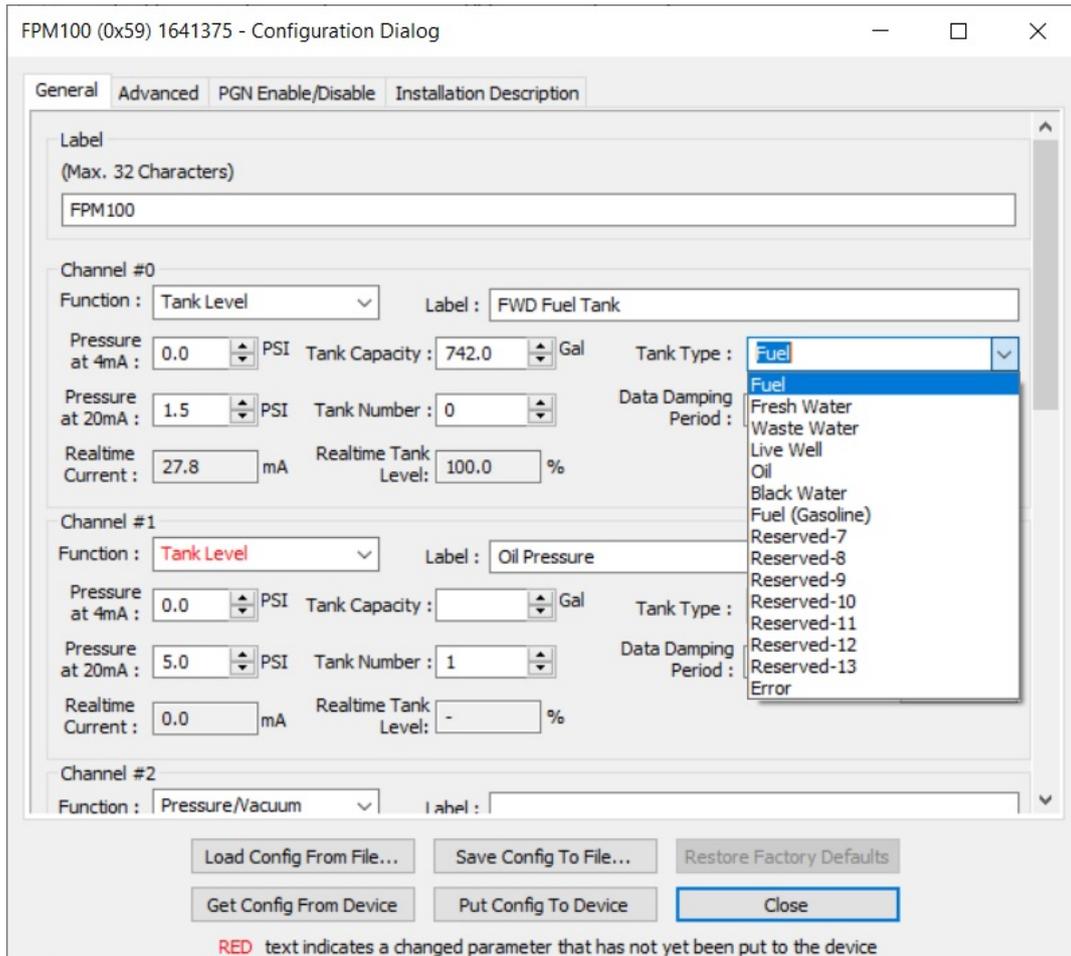
4. Select the **Tank Levels Calibration** associated to the channel we are configuring.
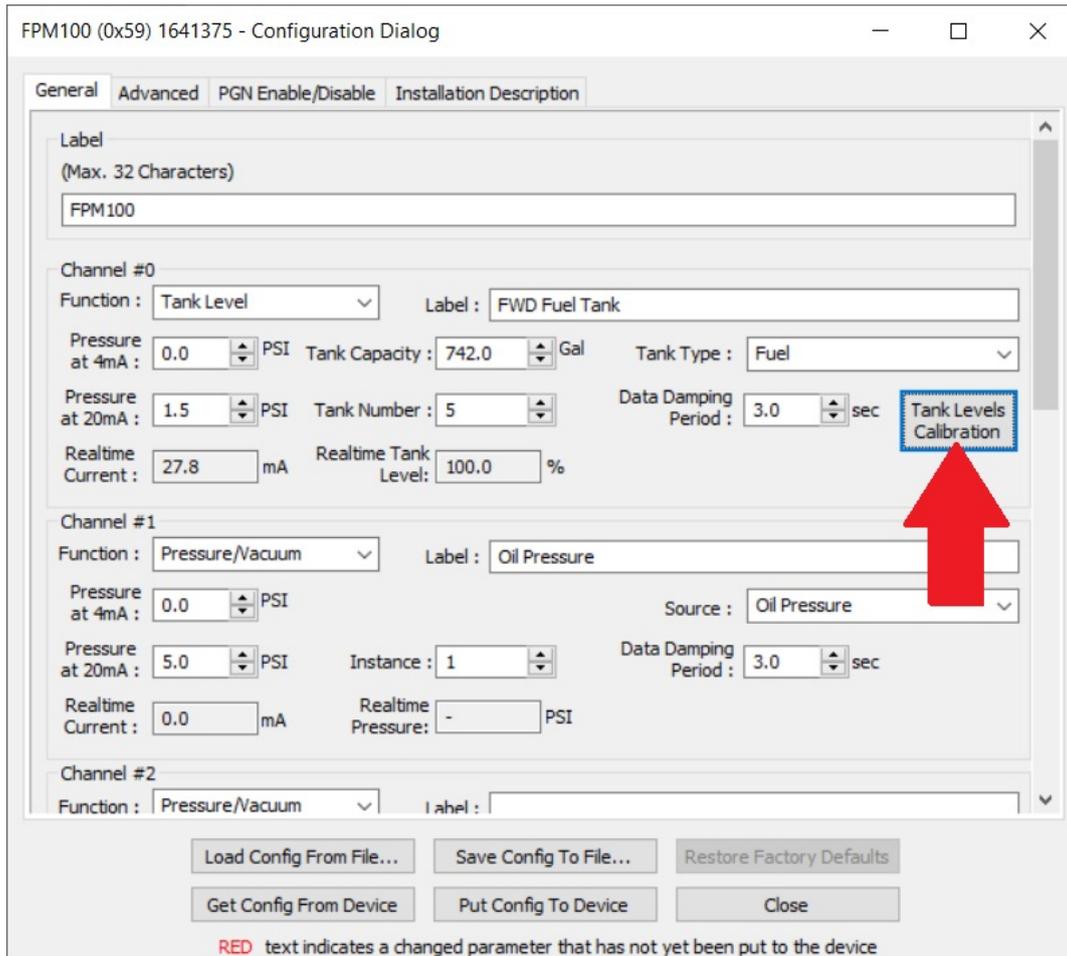
5. Once in the **Tank Calibration** window, located in the lower left corner select and highlight the currently listed Fluid Density values
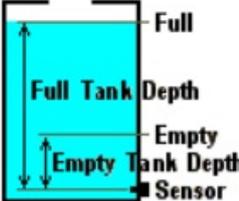
FPM100 (0x59) 1641375 CH:0 - Tank Calibration

Manual Table | Step Fill

Current Tank Calibration

	Depth (")	Level (%)	Volume	Current
1	0.0	0.00	0.0	4.0
2	8.5	42.50	315.4	6.7
3	14.3	68.10	505.3	8.5
4	17.1	79.70	591.4	9.4
5	19.9	89.30	662.6	10.3
6	22.7	91.20	676.7	11.2
7	28.0	100.00	742.0	12.9
8	-	-	-	-
9	-	-	-	-
10	-	-	-	-
11	-	-	-	-
12	-	-	-	-
13	-	-	-	-
14	-	-	-	-
15	-	-	-	-
16	-	-	-	-

Measured Current (mA):

27.8

Fluid Density :

820 (Diesel Fuel 20)
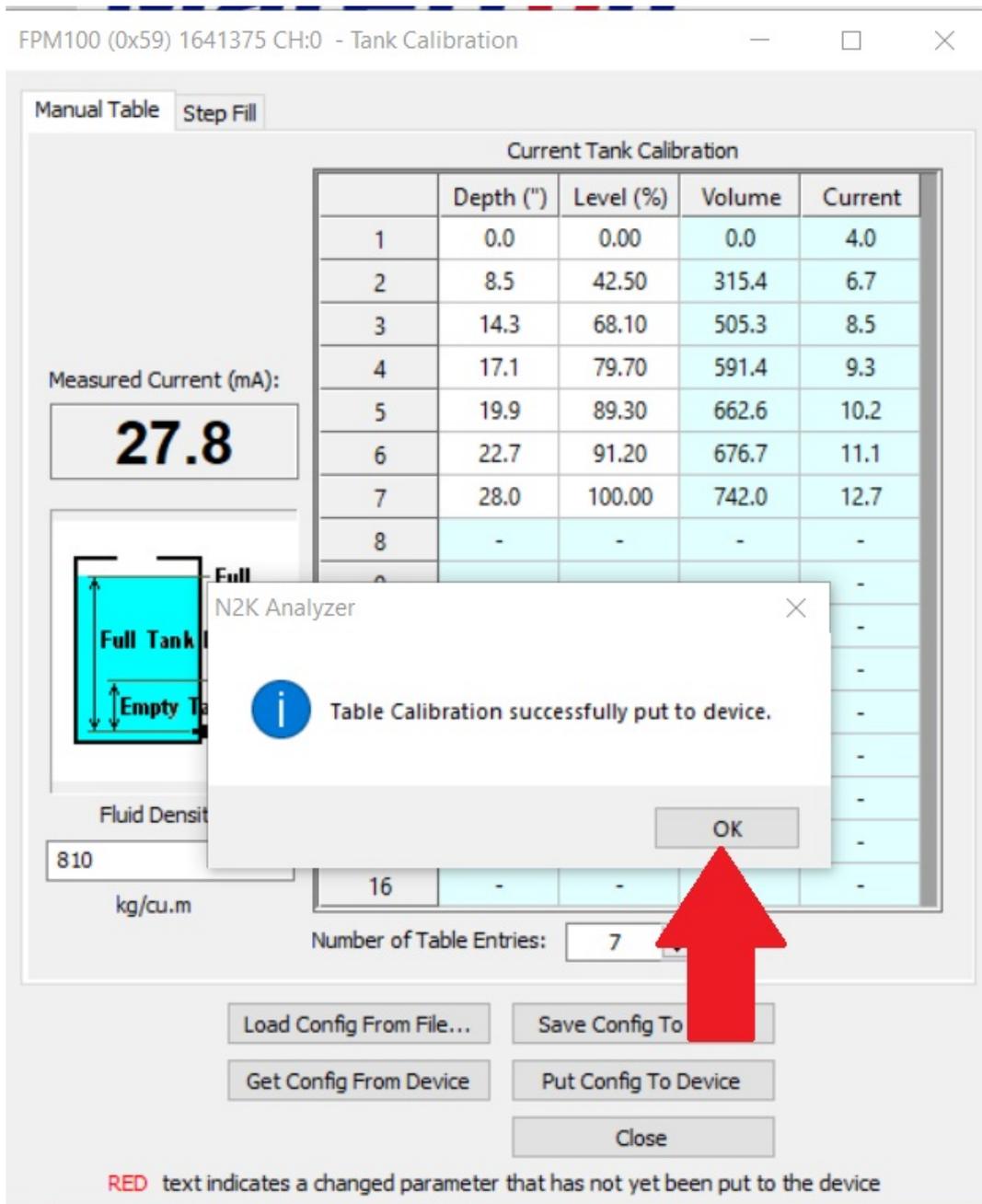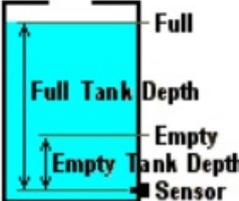
Number of Table Entries: 7

Load Config From File...   Save Config To File...

Get Config From Device   Put Config To Device

Close

RED text indicates a changed parameter that has not yet been put to the device

6. Type the value **810** and then select option **Put Config To Device** located at the bottom of the window. The text will now change from Red to **Black** and will receive a confirmation the settings have been put to device.

7. Begin your calibration process under the **Manual Table** or **Step Fill**. Once complete, select option **Put Config To Device**.

8. Select **OK** to close the confirmation window and then close the Tank Calibration window.

FPM100 (0x59) 1641375 CH:0 - Tank Calibration

Manual Table   Step Fill

Current Tank Calibration

	Depth (")	Level (%)	Volume	Current
1	0.0	0.00	0.0	4.0
2	8.5	42.50	315.4	6.7
3	14.3	68.10	505.3	8.5
4	17.1	79.70	591.4	9.3
5	19.9	89.30	662.6	10.2
6	22.7	91.20	676.7	11.1
7	28.0	100.00	742.0	12.7
8	-	-	-	-
9				-
				-
				-
				-
				-
				-
16	-	-		-

Measured Current (mA):

27.8

Full

Full Tank

Empty Ta

Fluid Densit

810

kg/cu.m

N2K Analyzer   ✕

ⓘ   Table Calibration successfully put to device.

OK

Number of Table Entries: 7

Load Config From File...   Save Config To

Get Config From Device   Put Config To Device

Close

RED text indicates a changed parameter that has not yet been put to the device

9. Setup is complete!