



# IF-NMEAFI Software v1.02 adds Tank Instance Numbers and Wind Data Improvement

## INDEX

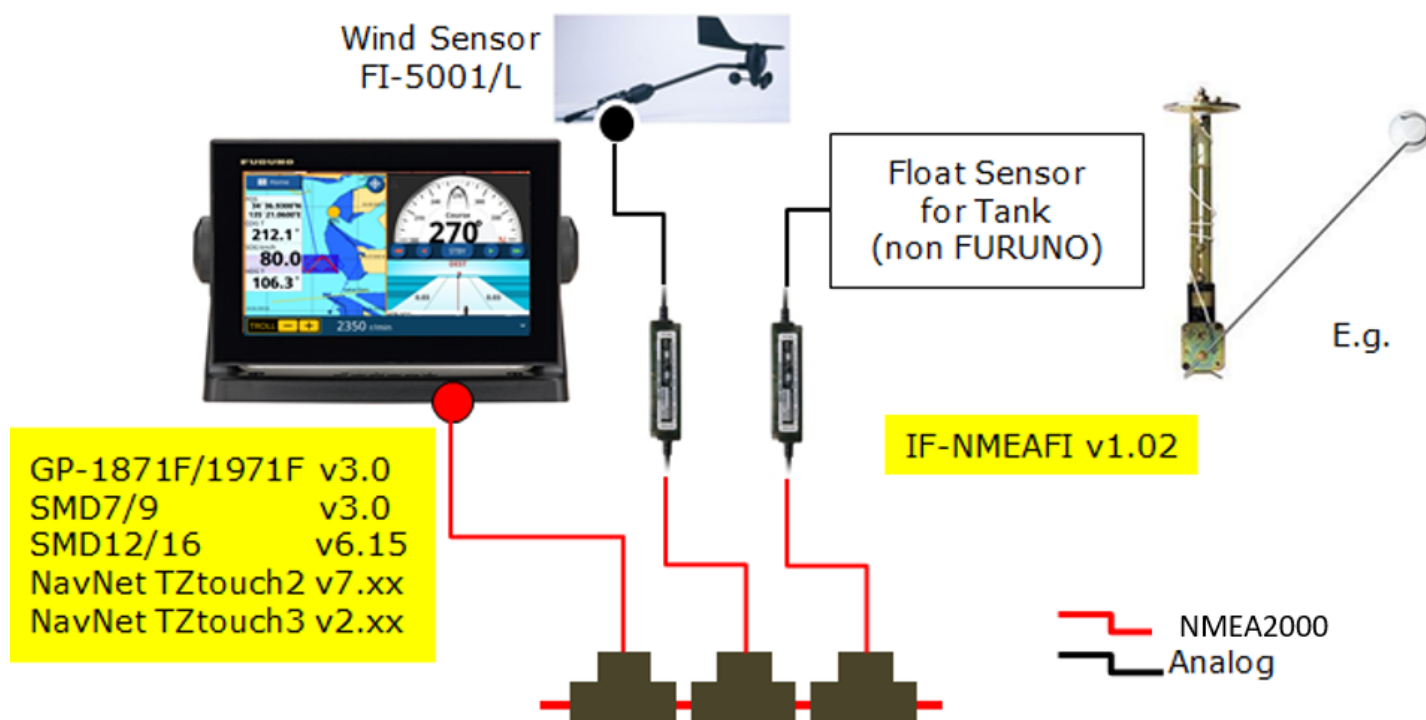
---

1. IF-NMEAFI as Tank Interface
  - 1.1. Tank Instance Numbers Adjustable
  - 1.2. Default Setting as Tank
2. IF-NMEAFI as Wind Interface
3. Update Procedures

# 1. IF-NMEA2000 as a Tank Interface

## 1.1. Tank Instance Numbers Adjustable

When an IF-NMEA2000 is connected to an analog float tank sensor, a unique **Instance Number of 0 to 5** can be assigned to the IF-NMEA2000 (v1.02) via compatible displays. The previous version (v1.01) did not allow the instance number to be changed from "0".



Third party tank float sensors measure variable resistance values depending on the location of the float. Typically, such devices do not have an Instance Number to differentiate itself or themselves. When an IF-NMEA2000 (v1.02) is connected to each tank sensor(s), each tank can be identified individually on the NMEA2000 network.

As an example, if there are a total of four (4) tanks present onboard, four (4) sets of float sensors are connected to these tanks and (4) sets of IF-NMEA2000 (v1.02) connected to each sensor. Each IF-NMEA2000 is assigned a unique Fluid Instance from 0 to 3. Devices capable of displaying NMEA2000 Tank Level information will then be able to identify each tank.

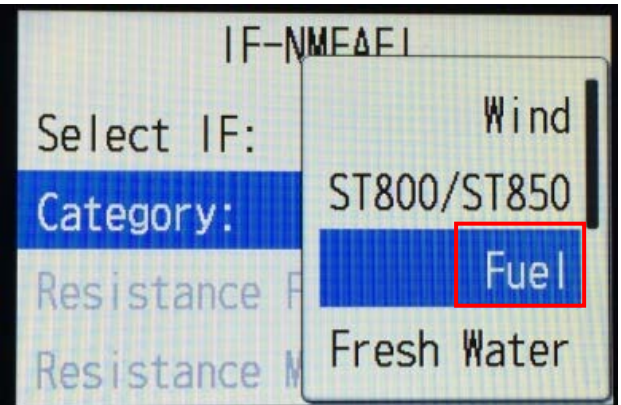
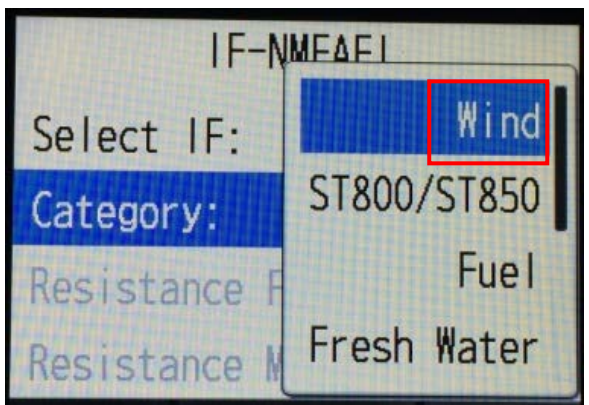
## Display Compatibility

The following displays can be used to adjust the instance number of IF-NMEAUI v1.02:

| No | Models                            | Version         |
|----|-----------------------------------|-----------------|
| 1  | GP1871F/1971F                     | V3.0 and later  |
| 2  | TZTL12F/15F/2BB (NavNet TZtouch2) | V7.xx and later |
| 3  | TZT12F/16F/19F (NavNet TZtouch3)  | V2.xx and later |
| 4  | SMD7/9 (SUZUKI)                   | V3.0 and later  |
| 5  | SMD12/16 (SUZUKI)                 | V6.15 and later |

### 1.2. Default Setting as Tank

The default function setting of IF-NMEAUI with v1.02 is now **[Fuel]**, changed from **[Wind]** with the previous v1.01. In order to use the IF-NMEAUI v1.02 with the FI5001, analog wind sensor, change the IF-NMEAUI function setting to **[Wind]** using the FI70, GP1871F/1971F, NavNet TZtouch2, TZtouch3 as well as SMD7/9/12/16 (SUZUKI Marine Displays). The following screenshots shows an example of the IF-NMEAUI setting page on an FI70.

| Default as [Fuel]   | Change to [Wind] for FI-5001/L   |
|---|--|
|  <p>The screenshot shows the 'IF-NMEAUI' settings page. The 'Select IF:' field is set to 'Wind'. The 'Category:' dropdown menu is open, and 'Fuel' is highlighted with a red box. Other options visible are 'ST800/ST850' and 'Fresh Water'.</p> |  <p>The screenshot shows the 'IF-NMEAUI' settings page. The 'Select IF:' field is set to 'Wind'. The 'Category:' dropdown menu is open, and 'Wind' is highlighted with a red box. Other options visible are 'ST800/ST850' and 'Fresh Water'.</p> |

## 2. IF-NMEA2K2 as a Wind Interface

IF-NMEA2K2 with v1.01 stopped data output if wind speed value was "0" knots or when the wind vane was stationary. A connected device, such as FI70 generated a sensor lost alarm.

**Version 1.02 outputs the data as follows:**

**Wind Speed:** 0 knots or higher

**Wind Direction:** Shows the previous wind direction information before the wind speed stops.

## 3. Update Procedures

The IF-NMEA2K2 can be updated via NavNet TZtouch, TZtouch2, TZtouch3 or via a PC using the same procedure as IF-NMEA2K2 update.

--- END ---

*- All brand and product names are registered trademarks, trademarks or service marks of their respective holders.*