

Wema NMEA2000 N3 level sensor installation

Before installation

- You will need a spanner, a proper NMEA2000 network and a T-connector to mount the sensor into the NMEA2000 network.
- The N3 is set as a fuel tank sensor as default. If it will be used in another tank it needs to be set with proper fluid type by using the Wema Setup tool (part no 220007). Refer to the Setup tool manual for further instructions.
- Determine the proper sending unit length for your tank by measuring from the inside bottom to the outside top of the tap. A minimum 10mm clearance must be maintained between the tank bottom and the bottom of the sensor tube. You must also ensure there is sufficient space between any baffle and the side of the sender so the movement of the float is not impeded.

NOTE: Failure to maintain proper clearance may result in the unit touching the bottom of the tank which may cause damage to the tank or sender and will void warranty of the unit.

Configure tank type

- The N3H is set as a fuel tank sensor as default. If it will be used in another tank it needs to be set with proper fluid type by using the Wema Setup tool (part no 220007). Refer to the Setup tool manual for further instructions.

Several tanks

- If there are several tanks of the same type, the device instance needs to be set by using the Wema Setup tool. Refer to the Setup tool manual for further instructions.

Install the N3 sensor in the tank

- Slide the two o-rings on. First the small one and then the big.
- Screw the sensor into the tank and tighten to 15-20 Nm depending if it is a plastic or steel tank.

Electric installation

- Connect the N3 sensor to a T-connector in the NMEA2000 network. Make sure it's securely tightened. If the cable needs to be extended the total maximum length of a drop cable is 6 meters (including the sensor cable).

Technical specification

- PGN #127505
- Load Equivalence Number (LEN) 1
- Cable and connector: 990 mm +/-30 mm with NMEA2000 Micro male
- Operating temperature -40°C to +85°C
- Power supply: 12 V
- Drill hole: BSP R 1 ¼"
- IP rating: IP65
- Outer diameter of the sensor head: 56 mm
- Height of the sensor head above the tank: 27 mm