

# VE.Can Resistive Tank Sender Adapter manual



## 1. Introduction

The VE.Can resistive tank sender adapter allows a standard resistive tank level sender to connect to the Color Control GX.

- High  $\pm 1\%$  Accuracy
- Suits European standard 0-180 and US standard 240-30 Ohm Senders
- Fuel, Freshwater, Wastewater, Oil, Live Well or Blackwater: easily selectable with a rotary switch
- Up to 16 tanks of each type. Needs one sender per tank, tank number is easily selectable with a rotary switch
- Robust ABS Construction sealed to IP67
- Easy to install
- Simple switch setup with no extra display required
- Under 50mA Power Usage
- Input voltage 9 to 70 VDC

More information on the [product page on our website](https://www.victronenergy.com/live/).

## 2. Installation

### 2.1 VE.Can Network

Connect the tank sender adapter to the rest of the network using standard straight RJ-45 cable. The adapter has two RJ45 sockets to allow easy daisy chaining.

Place a VE.Can terminator at both ends of the network. The Color Control GX is supplied with two of those terminators.

## 2.2 Power

For the adapter to work, the VE.Can network needs to be powered. These products will power the VE.Can network:

- Skylla-i (all models)
- Lynx Ion + Shunt (both the 250A and the 600A model)
- Lynx Shunt VE.Can
- BlueSolar MPPT 150/70 VE.Can
- BlueSolar MPPT 150/85 VE.Can

In case there is no such product in the installation, add the *VE.Can Power Cable - ASS030690000* to the installation.

## 2.3 Sender Type

Then select the correct sender type using the left rotary switch:

Sender resistance	Tank Type	Switch Position
European 0-180	Fuel	0
	Fresh Water	1
	Waste Water	2
	Live well	3
	Oil	4
	Black water	5
	Invalid	6
	Invalid	7
American 240-30	Fuel	8
	Fresh Water	9
	Waste Water	A
	Live well	B
	Oil	C
	Black water	D
	Invalid	E
	Invalid	F

## 2.4 Tank Instance

This setting is used in systems with multiple tanks. Set each tank to a unique Tank Instance.

## 2.5 Resistance Sender Connector

The two wires coming from the tank sender (not included) can be wired into the two spring loaded terminals on the tank sender adapter.

### 3. Configuration

Once connected to the Color Control GX a new entry will appear on the main menu.

Device List		📍 15:07
Quattro 24/3000/70-2x50		>
Fronius IG Plus 50 V-1		>
PV Inverter on output		>
Waste water tank		>
Notifications		>
Settings		>
📊 Pages		☰ Menu

On the tank page the current tank level and remaining capacity values are displayed.

< Waste water tank		📍 15:04
Level		100.0%
Remaining		0.200m <sup>3</sup>
Setup		>
Device		>
📊 Pages		☰ Menu

Select the “Setup” item to open the configuration page where following settings can be configured.

#### Capacity

<

Setup

📍 15:04

Capacity

0.200m<sup>3</sup>

Fluid type

Waste water

Volume unit

Cubic metre

📊 Pages

☰ Menu

## Fluid type

<

📍 15:05

Fuel

☐

Fresh water

☐

Waste water

☒

Live well

☐

Oil

☐

Black water (sewage)

☐

⊗

✓

## Volume unit

<

📍 15:05

Cubic metre	<input checked="" type="radio"/>
Litre	<input type="radio"/>
Imperial gallon	<input type="radio"/>
U.S. gallon	<input type="radio"/>

✕

✓

## DISQUS

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