# RADAR LEVEL SENSOR INSTRUCTION

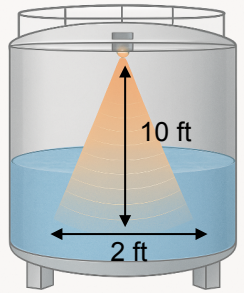
## 1. GENERAL

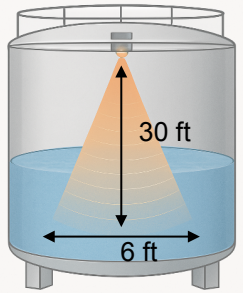
This is the instruction for the Radar level sensor.

## 2. SETUP

- The sensor should be mounted on your tank so its level. Use the bubble level on the top of the sensor assist with this.

- The sensor beam should not be obstructed. The beam is 6º. Use these tank images as a guide.




- The tank depth is set on the sensor from our factory but if you want to change it, then download the phone app called “Radar-Tools”.

RADAR-TOOLS

APPLE

ANDROID

JME ELLSWORTH
A John M. Ellsworth Company
John M. Ellsworth Co., Inc.

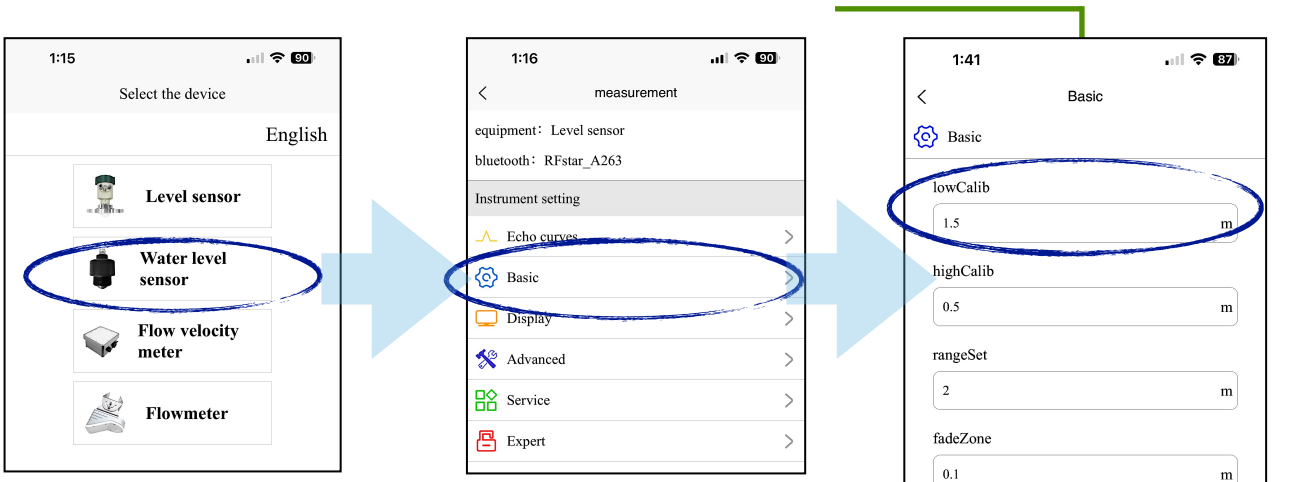
P.O. Box 240072
8700 West Bradley Road
Milwaukee, WI 53224

800·333·3331 PHONE

info@jmesales.com E-MAIL
www.JMEsales.com WEB

## 3. OPERATION OF THE APP

- Open the App  on your phone and select the device ID.
- On the next screen (“Select the device”) choose the “Water level sensor”
- Progress to the “measurement” screen and select “Basic”.
- The tank depth is set in the “BASIC settings.




SELECT

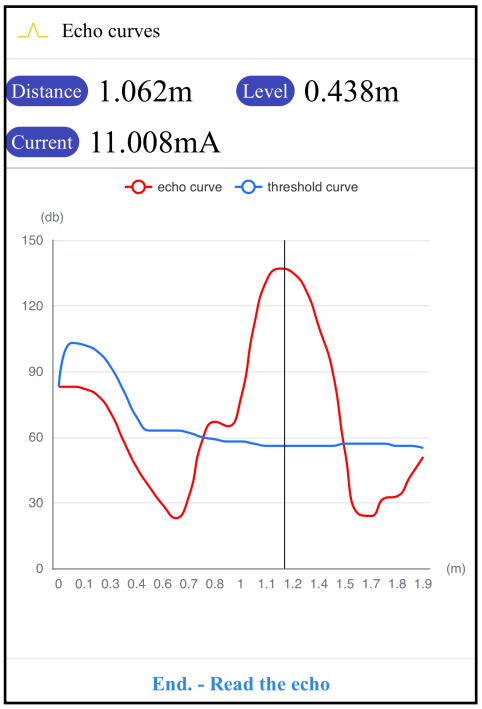
MEASUREMENT

BASIC

- The tank “empty” depth is set with the “lowCalib” setting. (settings are in meters only)  So a setting of 1.0 m will read the tank as “empty” when the depth reaches 39” below the sensor. Your new setting is communicated to the device by pressing the “issue” button.
- The “highCalib” parameter sets depth where the tank is considered to be “full”.  0.1 is the minimum value.  If the sensor is mounted well above the actual liquid level, then this can be set to a greater value to compensate.
- The other settings can be ignored.

## 4. OTHER POINTS

- The quality of the beam can be viewed by pressing the “Echo Curves” button from the “Measurement” screen. Optimally, the red curve has higher signal than the blue curve.




ECHO