# XC-0331 Wireless Ultrasonic Tank Level Meter - Tank Depth & Air Gap Setting

When the Wireless Tank Level Meter is first powered on, the Tank Depth and Air Gap values <u>must be set</u>, otherwise measurement errors will occur.

The following is a revised extract from the User Manual on how to set the Tank Depth, and Air Gap values. Refer User Manual pages 6 and 7.
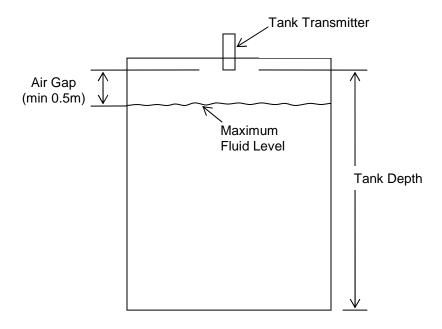
The first step is to make sure you have the correct measurements ready for Tank Depth and Air Gap settings so they can be entered when in program mode.

**Tank Depth**    the distance from the bottom of the Tank Transmitter to the bottom of the tank. Range is 0.5m to 15.0m (maximum setting).

**Air Gap**    the distance from the bottom of the Tank Transmitter to the maximum or highest fluid level in the tank. <u>Minimum setting is 0.5m.</u>



**4.    PROGRAM MODE**
**4.1    Set Tank Depth**
Insert 6 x AAA batteries into the wireless transmitter, and then insert 2 x AA batteries immediately into the LCD monitor. Once the batteries are in place, all segments of the LCD will light up briefly and the unit will "Beep".

The monitor is now in Set Tank Depth mode and displays the Tank Depth value as a flashing "0.00", as well as a flashing empty tank icon.

Press the **+/max/min** key to increase the Tank Depth setting, or **-/tank** key to decrease the setting. Pressing and holding the keys will change the value at a much faster rate.

Press the **set** key to save the Tank Depth value. The LCD monitor now enters Set Air Gap mode.

### 4.1 Set Air Gap
The monitor is now in Set Air Gap mode and displays the Air Gap value as a flashing "0.00", as well as a flashing full tank icon.

Press the **+/max/min** key to increase the Air Gap setting, or **-/tank** key to decrease the setting. Pressing and holding the keys will change the value at a much faster rate.

Press the **set** key to save the Air Gap value.

Note: If there is no key operation in the Tank Depth setting or Air Gap setting mode for 15 seconds, the unit will switch back to the normal display mode automatically. There will be measurement errors if the Tank Depth and Air Gap are not set correctly. If you miss this step, the Tank Depth and Air Gap values can be set later when in normal operation mode. Press and hold the **set** and **alarm** keys for 5 seconds to enter set Tank Depth and set Air Gap mode.

Immediately continue to set the Time, Temperature Units, Tank Level Units, making sure you press the **set** key to save the values entered.

### 4.2 Set Time
In the normal display mode, press the **set** key for 3 seconds to enter Set Time, Temperature Units (ºC or ºF), Tank Level Units (m or feet) mode.

The TIME 12/24Hr option will flash. Press the **+/max/min** key or **-/tank** key to select 12hr or 24hr format. Press the **set** key to save and move to the Hour setting.

The Hour value will flash. Press the **+/max/min** key to increase the value, or **-/tank** key to decrease the value. Press the **set** key to save and move to the Minutes setting.

The Minutes value will flash. Press the **+/max/min** key to increase the value, or **-/tank** key to decrease the value. Press the **set** key to save and move to the Temperature Unit setting.

### 4.3 Set Temperature Unit
The Temperature Unit will flash. Press the **+/max/min** key or **-/tank** key to select ºC or ºF. Press the **set** key to save and move to the Tank Level Unit setting.

### 4.3 Set Tank Level Unit
The Tank Level Units will flash. Press the **+/max/min** key or **-/tank** key to select m or feet. Press the **set** key to save and exit.

### 4.6 Alternating Between Tank Temperature and Tank Level
The LCD is now in normal display mode and the Tank Temperature will most likely be blank ie  - -.- ºC. Press the **-/tank** key to alternate between Tank Temperature display and Tank Level display. The Tank Level display will most likely be blank as well ie m -.- -

If the Tank Level display remains blank, the transmitter will need to be reconnected to the LCD monitor. Press the **-/tank** key for 5 seconds. The tank transmitter icon with the double-ended arrow will be displayed on the LCD monitor indicating the transmitter and monitor are reconnecting. This can take up to 3 minutes before a Tank Level reading appears.