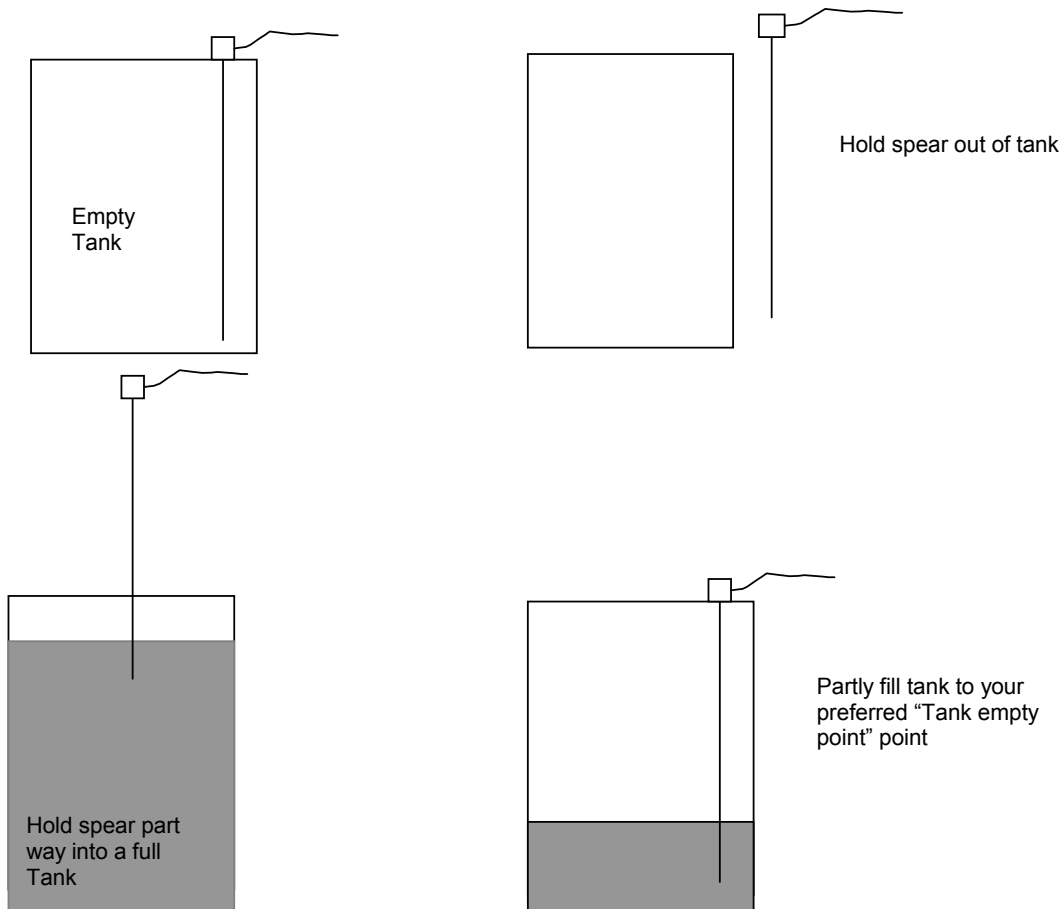# Top Mount Calibration

2 Point: (Rotary Switch Position 0 for HT-100 / HT-100/P, HB-200 / HB-200-P)

**Setting Empty: (four different options)**
Either start with a empty tank or remove the spear from a full tank or place a portion of the
spear into a full tank to set empty point other than the tank actually being empty.

Empty
Tank

Hold spear out of tank

Hold spear part
way into a full
Tank

Partly fill tank to your
preferred "Tank empty
point" point

**Please Note: The true EMPTY point is the level of the pump-out pump fitting as it can
never be emptied below this point.**

When calibration mode is entered (holding down the program button for 3 seconds) the LED
will *flash very fast,* while the I/O Box is calculating the Empty point. Once this has finished you
will see Three slow flashes and the LED will stay on indicating it has programmed the Empty
point. It is now ready to set the Full point.

Setting Full:
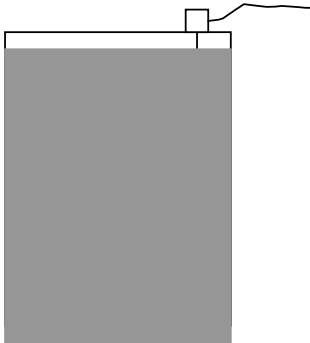
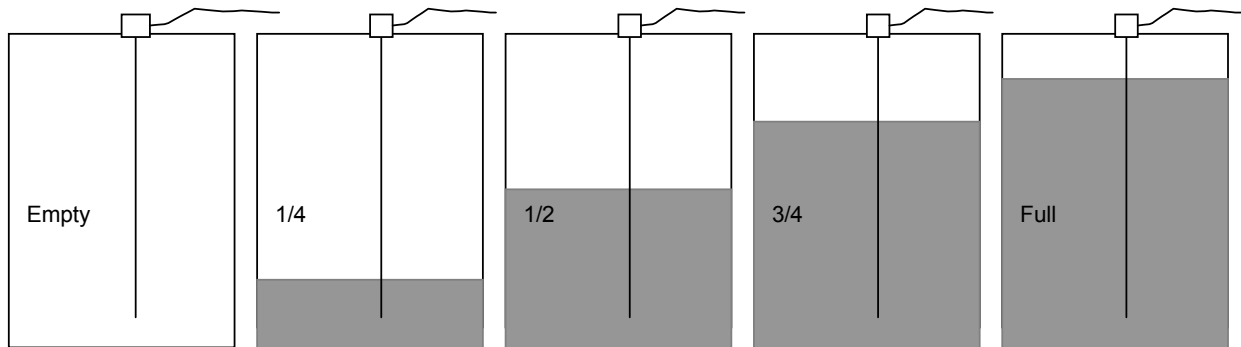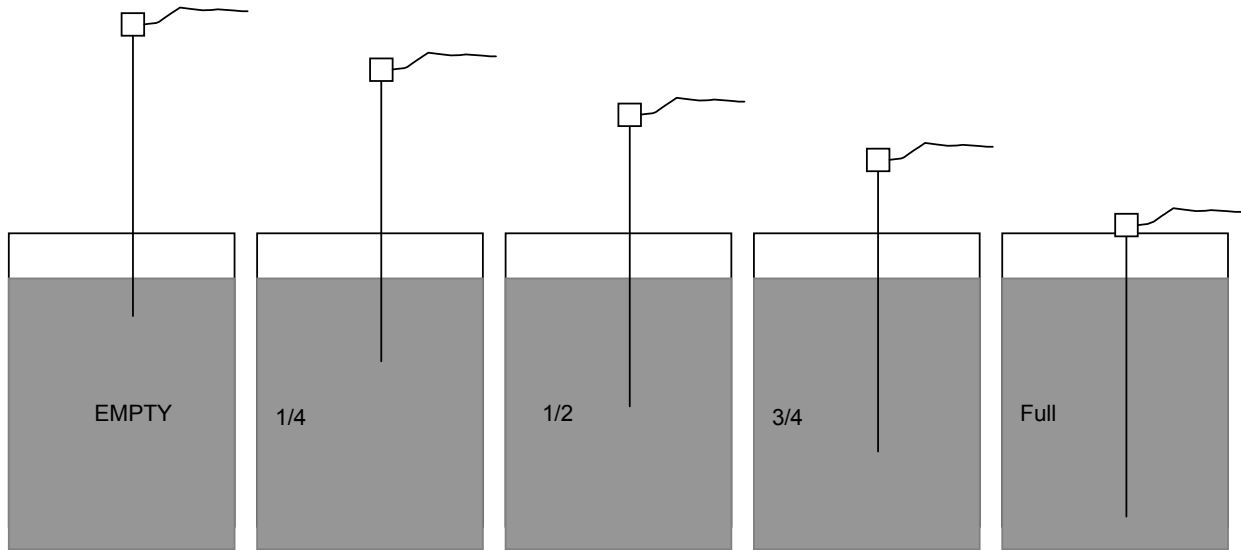Insert the spear into a full Tank

When the button is pressed again, to set the Full point, the LED will *flash very fast,* while the I/O Box is calculating the Full point. Once this has finished you will see Three slow flashes indicating it has programmed the Full point. The LED will then turn off.

NOTE: While the fast flashing continues it is indicating the tank contents have not settled enough for the unit to take a good reading (wait for the contents to settle).

NOTE: If you see 12 slow flashes this indicates the unit could not see any difference between the Empty point setting and the Full point setting. The Empty and Full points need to be different.

5 Point: (Rotary Switch Position F for HT-100 / HT-100/P, HB-200 / HB-200-P)

You can either fill the tank to the set points or if you know the point heights you can mark the spear and insert into a fill tank to the marked points setting each point as you insert the spear.

EMPTY   1/4   1/2   3/4   Full

Empty   1/4   1/2   3/4   Full

When calibration mode is entered (holding down the program button for 3 seconds) the LED will *flash very fast,* while the I/O Box is calculating the Empty point. Once this has finished you will see Six slow flashes and the LED will stay on indicating it has programmed the Empty point. It is now ready to set the 1/4 point.

When the button is pressed again, to set the 1/4 point, the LED will *flash very fast,* while the I/O Box is calculating the 1/4 point. Once this has finished you will see Two slow flashes indicating it has programmed the 1/4 point. The LED will stay on indicating it has programmed the 1/4 point. It is now ready to set the 1/2 point.

When the button is pressed again, to set the 1/2 point, the LED will *flash very fast,* while the I/O Box is calculating the 1/2 point. Once this has finished you will see Three slow flashes indicating it has programmed the 1/2 point. The LED will stay on indicating it has programmed the 1/2 point. It is now ready to set the 3/4 point.

When the button is pressed again, to set the 3/4 point, the LED will *flash very fast,* while the I/O Box is calculating the 3/4 point. Once this has finished you will see Four slow flashes indicating it has programmed the 3/4 point. The LED will stay on indicating it has programmed the 3/4 point. It is now ready to set the Full point.

When the button is pressed again, to set the Full point, the LED will *flash very fast,* while the I/O Box is calculating the Full point. Once this has finished you will see Five flashes indicating it has programmed the Full point. The LED will then turn off.

NOTE: While the fast flashing continues it is indicating the tank contents have not settled enough for the unit to take a good reading (wait for the contents to settle).

NOTE: If you see 12 slow flashes this indicates the unit could not see any difference between the Empty point setting and the Full point setting. The Empty and Full points need to be different.