

NCR-80

NON-CONTACT RADAR

QUICK SETUP



BINMASTER[®]

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QUICK SETUP USING THE BINDISC DISPLAY/ADJUSTMENT MODULE



1. Unscrew the housing cover.
2. Place the BinDisc display and adjustment module on the top of the unit and turn to the right until it snaps in place.

Disassembly is carried out in reverse order

1. Press [OK], scroll to Quick setup, press [OK].



2. Measurement loop name SENSOR press [>] key.



3. Medium, press [OK], scroll to Ballast/Pebbles
Using [>] key (do not change to any other medium).
Press [OK] then press [>] key.



4. Application and Vessel bottom, press [OK]
Scroll to Bunker with [>] key, press OK
(must be in Bunker application do not change).
Vessel bottom, scroll to Conical using [>] key.
Press [OK], then press [>] key.



5. Vessel height/Meas. Range, press [OK].
Use [>] and [+] keys to set overall height of vessel
Press [OK] then [>] key.



6. Max adjustment, press [OK]
Use [>] and [+] keys to set the headspace of the vessel (min 2ft.). Press [OK] then [>] key.



7. Min adjustment, press [OK]
Use [>] and [+] keys to set the overall tank height (same as vessel height). Press [OK] then [>] key.



8. Should now see "Successfully completed"



Note:

Please, do not deviate from these parameters unless instructed by factory

ADDITIONAL ADJUSTMENTS

False signal suppression

The following circumstances cause interfering reflections and can influence the measurement:

- High standpipes
- Vessel installations such as structures, cages or ladders
- Agitators
- Buildup or welded joints on vessel walls

Note:

A false signal suppression detects, marks, and saves these false signals so they are no longer considered in the level measurement.

This should be done with a low level, so all potential interfering reflections can be detected.

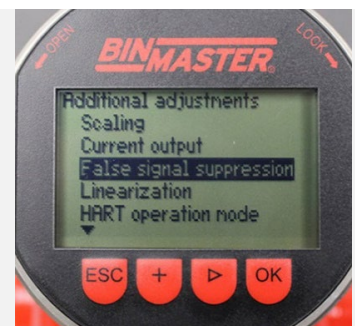
1. Press [OK], scroll to Extended adjustment
Press [OK]



2. Scroll to Additional adjustments with the [>] key.
Press [OK]



3. Additional adjustments, scroll to False signal suppression. Press [OK]



4. Screen shows “Change now?”
Press [OK]



5. False signal suppression, scroll to Create new.
Press [OK]



6. False signal suppression, use [▶] and [+] keys to set the actual distance from the sensor to the product surface. Press [OK]



7. Screen should now show “Executing” with a processing bar underneath. When finished, “Change now” will show on the screen. Press [ESC] key. False suppression for the actual distance to the product will be saved.



Note:

It is critical to know the distance to the product level before doing a false signal suppression. If the false signal suppression distance range is set to the overall height of the vessel, the product level will be stored as a false signal and not detectable in this area.

ADDITIONAL ADJUSTMENT (CONT)

Setup for linearization of cone bottom

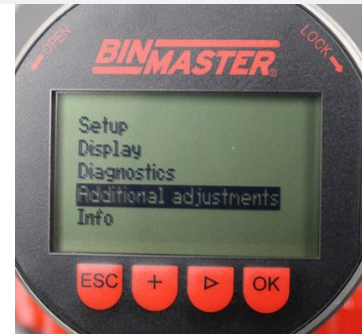
Note:

Linearization of the cone is critical for an accurate % full measurement and an accurate 4 to 20mA output for vessels with a cone shaped hopper.

1. Press [OK], scroll to Extended adjustment
Press [OK]



2. Scroll to Additional adjustments with the [>] key
Press [OK]



3. Scroll to Linearization. Press [OK]



4. Scroll to Conical Bottom. Press [OK]



- 5. Set up the height of your cone. Press [OK]. Use the [esc] key to return to the main screen

