9.7 Checkweigher

The Model 190 indicator has logic level outputs that can be used to control peripheral devices used to signal when the weight is within preset limits. The output state of the Checkweigher (before reaching the preset weight) is defined in section 4.4 SETUP, the $d\ out\ z$ (Digital Output) parameter. Note that these outputs are at logic level and cannot drive external devices directly. Solid-state relays can be used to accept the logic level outputs from the 190 and in turn, drive the external device.

With the Checkweigher function enabled during setup of the indicator, the function must be activated before it can be used.

Refer to section 4.15 Function Setup, the $FUnC$ ($FUnC?$) parameter to enable the **Fn/▲** key Hold function.

NOTE! Only one of the functions Hold, Count, Peak Hold, Checkweigher or Live Weight can be active at a time.

9.7.1 Activate Checkweigher and Set Minimum Acceptable Weight Value

1. Press and hold the **Fn/▲** key until the display blanks.

2. Once the display blanks, release the **Fn/▲** key

3. The display will change to show the first function prompt.

4. Repeatedly press the **TARE ↵** key until the $Lo\ z$ prompt is displayed.

5. Press the **TARE ↵** key once again.

6. The display will show the current value for the minimum acceptable weight.

   0 = Checkweigher Function Not Active
   XXXXX = Minimum Acceptable Weight (Checkweigher is Active)

7. If the setting displayed is acceptable, press the **TARE ↵** key to save it.

8. Otherwise, use the **Fn/▲** and **UNITS/◀** keys to enter a new value for the minimum acceptable weight.

9. When the desired value is displayed, press the **TARE ↵** key to save it.

10. Repeatedly press the **TARE ↵** key to step through the remaining function prompts until the indicator returns to the weight display.

9.7.2 Entering Maximum Acceptable Weight Value

1. Press and hold the **Fn/▲** key until the display blanks.

2. Once the display blanks, release the **Fn/▲** key

3. The display will change to show the first function prompt.

4. Repeatedly press the **TARE ↵** key until the $H \cdot z$ prompt is displayed.

5. Press the **TARE ↵** key once again.

6. The display will show the current value for the maximum acceptable weight.

7. If the setting displayed is acceptable, press the **TARE ↵** key again to save it.

8. Otherwise, use the **Fn/▲** and **UNITS/◀** keys to enter a new value for the maximum acceptable weight.

9. When the desired value is displayed, press the **TARE ↵** key to save it.

10. Repeatedly press the **TARE ↵** key to step through the remaining prompts until the indicator returns to the weight display.

9.7.3 Checkweigher Operation

With the Checkweigher function enabled and activated, during operation the indicator will compare the displayed weight with the preset values and display the results as under, accept, or over.

When the displayed weight is less than the minimum acceptable weight, the arrow over **OUT1 <** (the UNDER annunciator) will turn on and the display will change to the color selected in section 4.15, Display Backlight Color Setup.

When the displayed weight is greater than the maximum acceptable weight, the arrow over **OUT3 >** (the OVER annunciator) will turn on and the display will change to the color selected in section 4.15, Display Backlight Color Setup.

When the displayed weight is within the range from minimum acceptable weight to maximum acceptable weight, the arrow over **OUT2 ⊕** (the ACCEPT annunciator) will turn on and the display will change to the color selected in section 4.15, Display Backlight Color Setup.