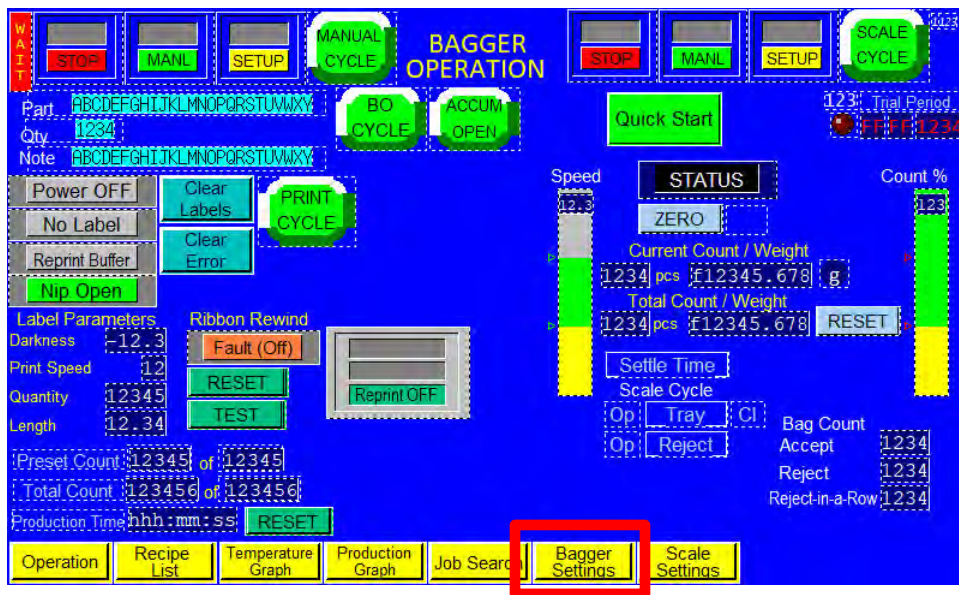# HOW TO
Service documents from APPI

Document: #HT000189

Document Title: Scale Filter Set-Up for Digital Load Cells
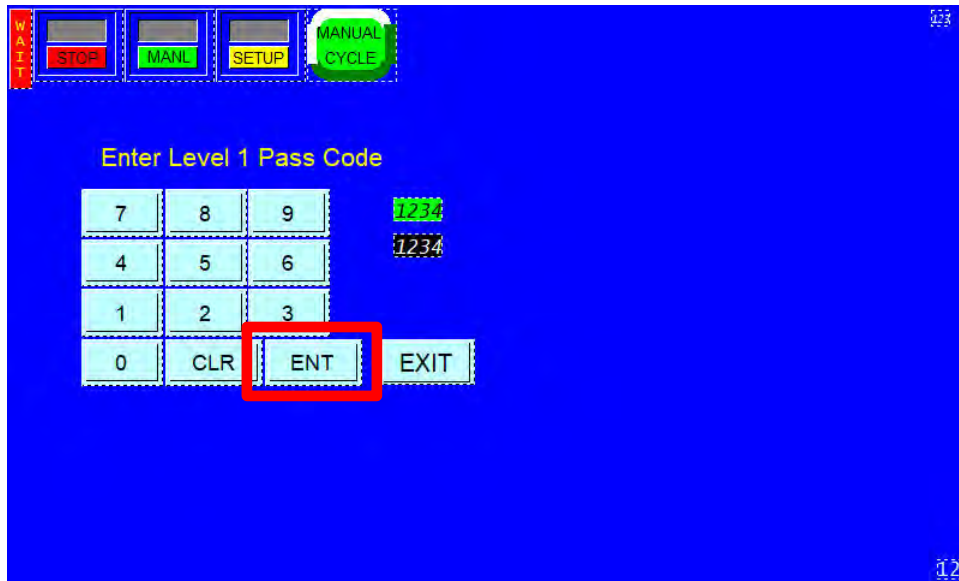
Product(s): TUS-9000 Procedure:

Setting the Scale Filters will help the scale to maintain a Zero weight when the scale is empty.
Go to Main Menu by pressing the Yellow Bagger Settings Button.
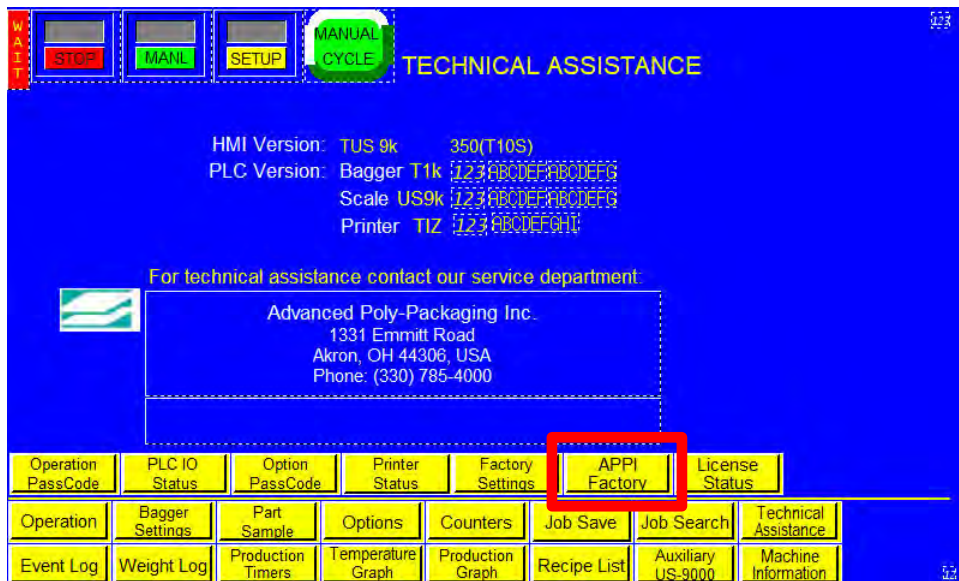

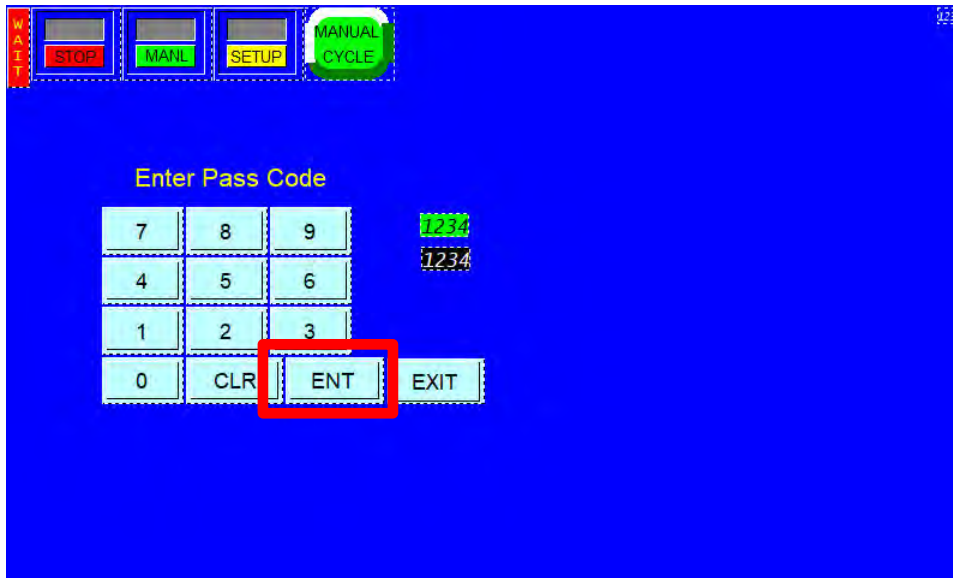Press the Yellow Technical Assistance Button.

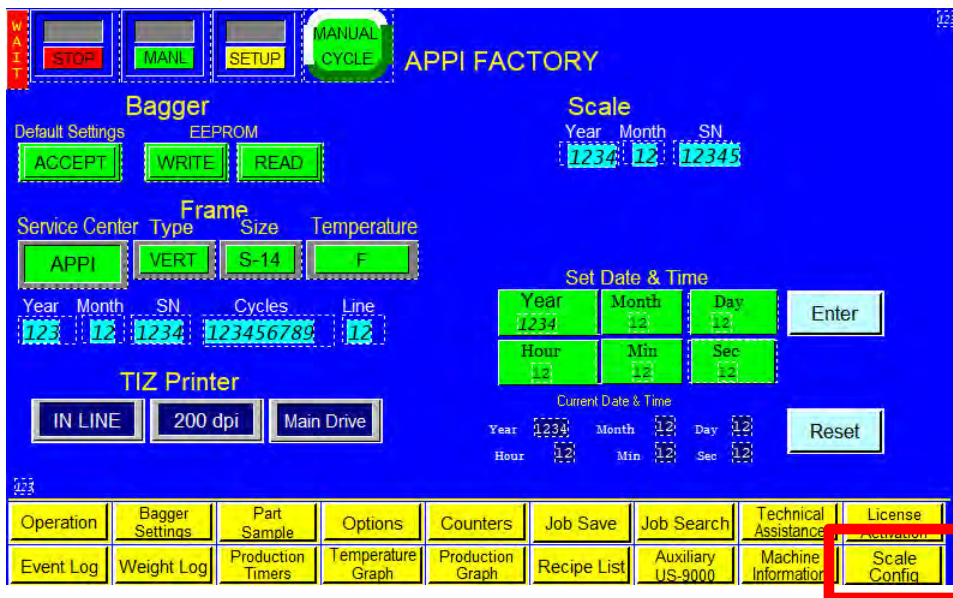Enter Code 1001 and press Enter on the Keypad.

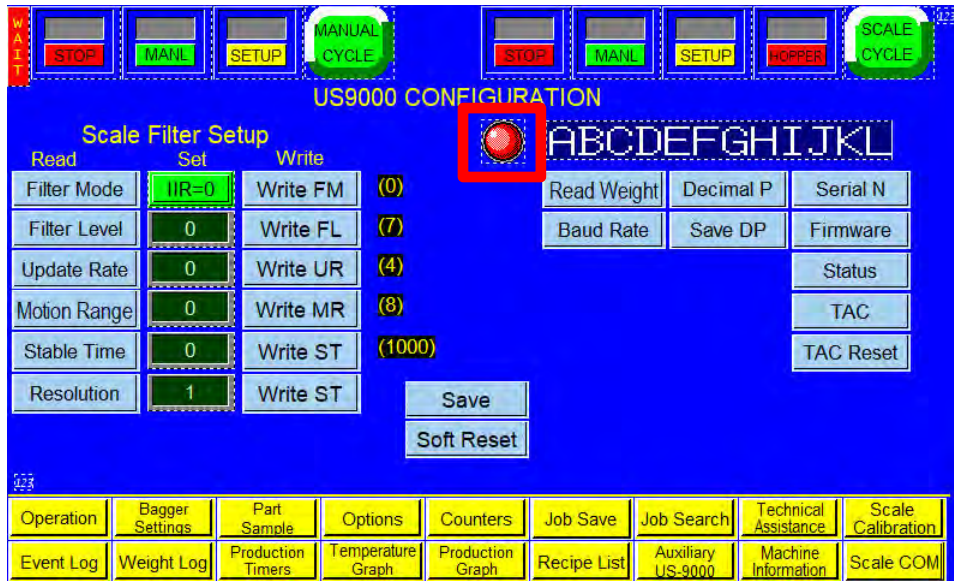Press the Yellow APPI Factory Button.

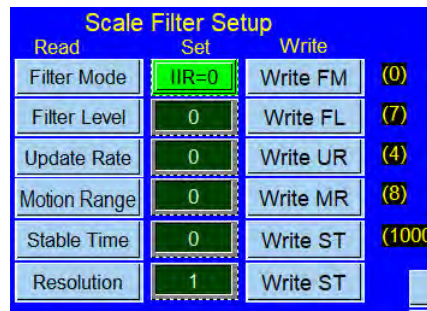Enter the Code 9001 and press ENT on the Keypad

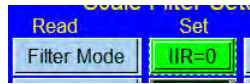Press the Yellow Scale Configuration Button

The LED light will not be Green on the Scale Configuration Screen.

In the Scale Configuration Screen under Scale Filter Setup there are three columns labeled Read, Set and Write.
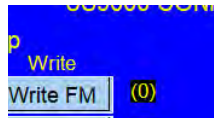
Press Filter Mode Button under the Read Column.

The Value that is set in the program will be displayed in the Display Window.

Filter Mode should display IIR=0 or 0 as in the parentheses to the right of the Write Column.

If the Filter Mode value displayed is not IIR=0 or 0; use the Set Column (Middle Column) Button to adjust the value to IIR=0 or 0.

After the Filter Mode value has been adjusted to IIR=0 or 0 press the Write FM Button under the Write Column.

Press the Blue Save Button.

To confirm that the new value has been saved into the program press the Filter Mode under the Read Column and the new value of IIR=0 or 0 should be displayed in the Display window.

Repeat the above steps for each Button under Scale Filter Set-Up.
The values for each button should be adjusted to match the value in the parentheses.
The Resolution Value is based on the digital Load Cell rating:
5kg to 10kg load cell would have a Resolution of 1
20kg load cell would have a Resolution of 2 40kg load cell would have a Resolution of 5

If the Resolution value was changed, the Scale will have to have the calibration procedure performed to save the change in value in the program.

NOTE: Pressing the Blue Save Button will NOT save the Resolution new value to the program.

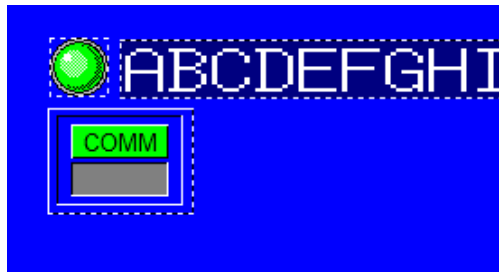Press the Yellow Scale Com Button.

The LED light should be Green.

If the LED light is not Green press the Red Comm Button.

The Red Comm Button should toggle to Green COMM and the LED light should light Green.
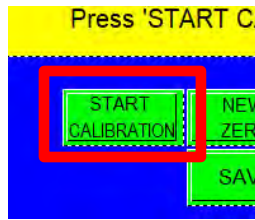
Press the Yellow Scale Calibration Button

In the Scale Calibration Screen the LED light should be Green. If the LED is not Green, then check if the Communication Button is ON in the Scale Communication Screen. See previous step.
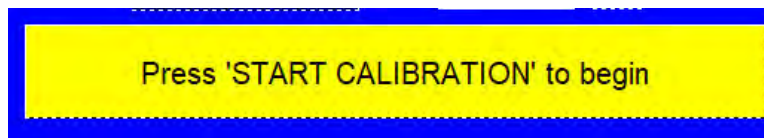
A Green LED is an indication of communication between the Digital Load Cell and the PLC.

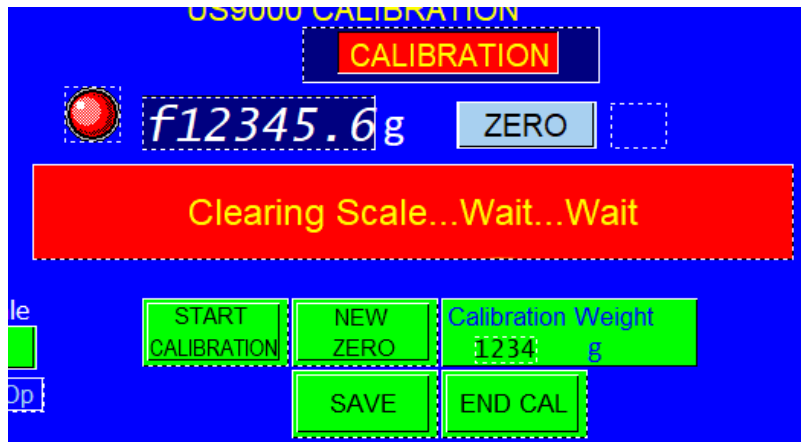NOTE: The LED light is not ON during the Calibration process.

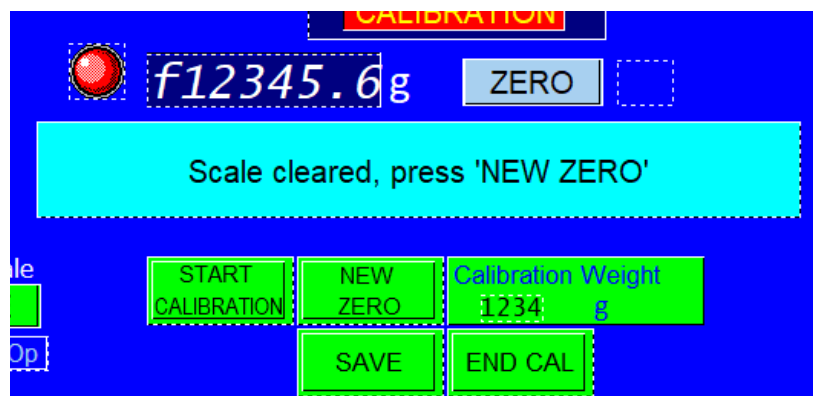To Start the Calibration process, press the Green Start Calibration.

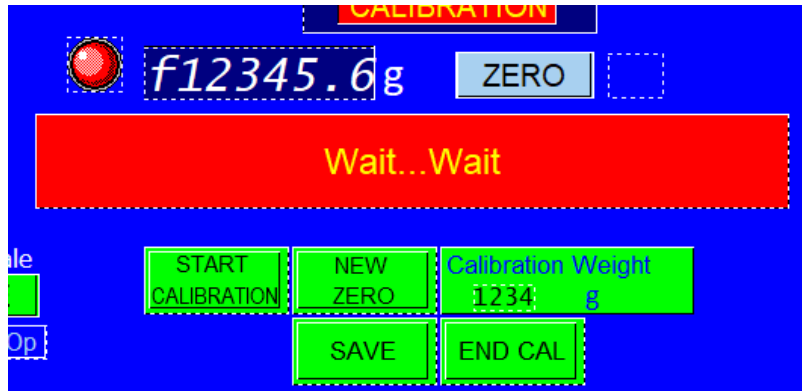Follo w the prompts in the display window

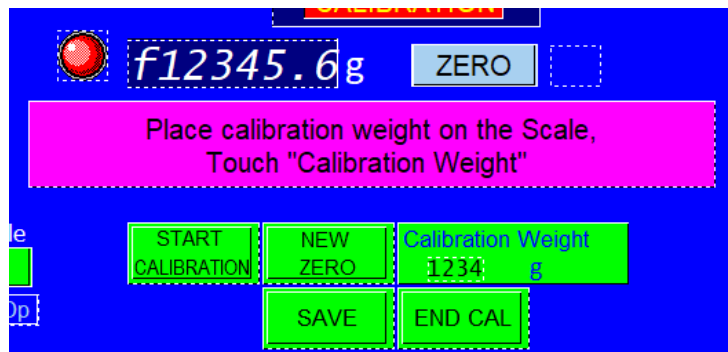

Wait for the prompt.

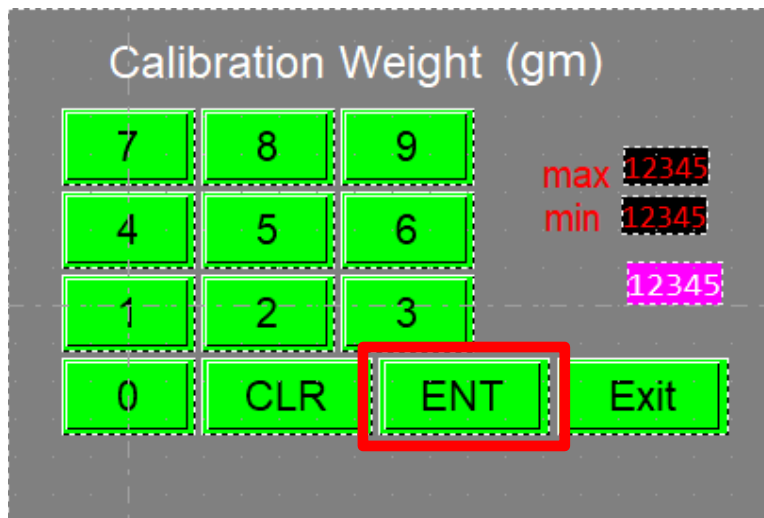Press the Green New Zero Button when prompted
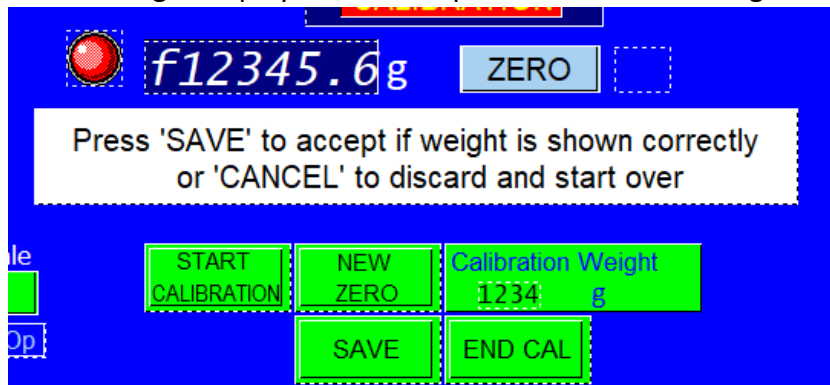
Wait for the prompt.

Place Calibration Weight on Scale, Touch Calibration Weight Button when prompted
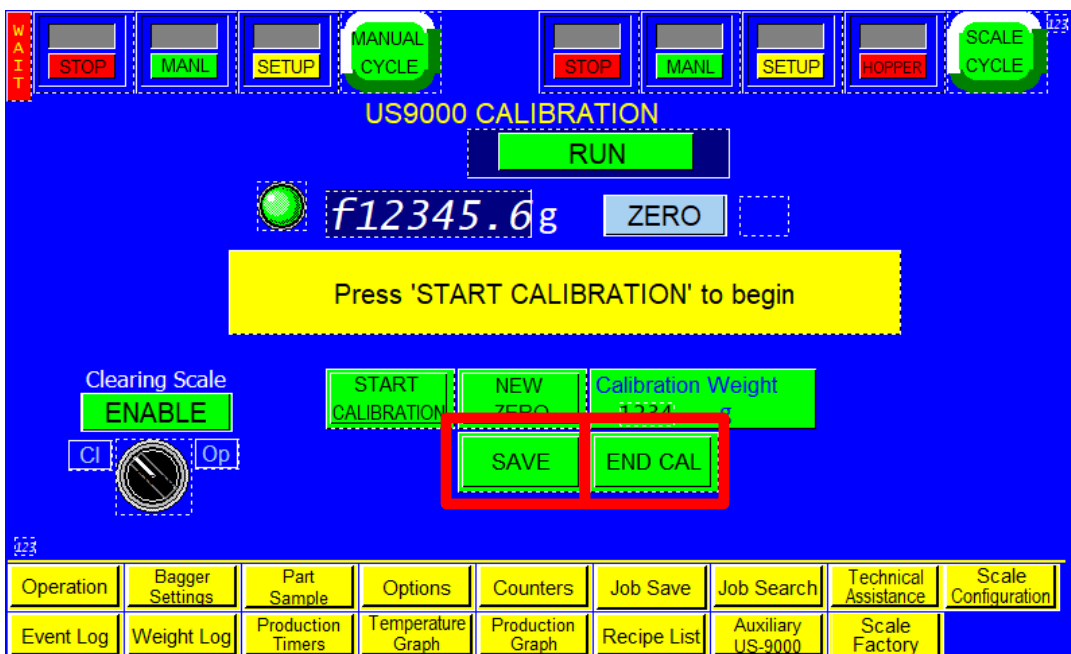

Enter Calibration Weight on Keypad and press ENT on Keypad

The weight displayed should equal the calibration weight

Press the Green Save Button

The Scale has now been calibrated and the Resolution Saved.
Press END CAL.
All set.