Machine - Calibrate

Use this screen to set the **Cal Factor** (pulses/unit) for a product. The goal is to achieve a consistent meter roller RPM or liquid flow rate that matches typical field operation. This will give more accurate results.

⚙ Step-by-Step Calibration Process

1. Set Ground Speed

- Enter the ground speed you typically operate at.

2. Set Meter Roller RPM / Valve position

- Switch product **ON** using the power button.
- Enter:
  - Initial base rate
  - Estimated Cal Factor
- Press **Start**:
  - RC adjusts flow to match target rate.
  - If successful, RPM is locked.
  - PWM value used is displayed under the lock (for motor controllers).
- RC will stop calibration if target rate is met.

If RC fails to reach target RPM:

- Press **Stop**.
- Check ground speed
- Adjust estimated Cal Factor, PWM min/max, or metering drive range

3. Set Actual Cal Factor

- Press **Start** to run the meter roller and collect a sample.
- Press **Stop**, enter the measured amount.
- RC calculates and displays the new Cal Factor.
- Press **Save** to record it.

4. Optional Adjustments

- To redo meter speed: press **Unlock**, repeat Step 2.
- To reuse a saved setting: press **Lock**, proceed to Step 3.

Additional Notes

- **AgOpenGPS** is not used.
- **Switchbox** is not used.
- Ensure **master switch is OFF** if switchbox is present.
- Calibration uses **Constant UPM, Mode 2**.
- All sections are activated during calibration.
- After calibration, original mode and section states are restored.