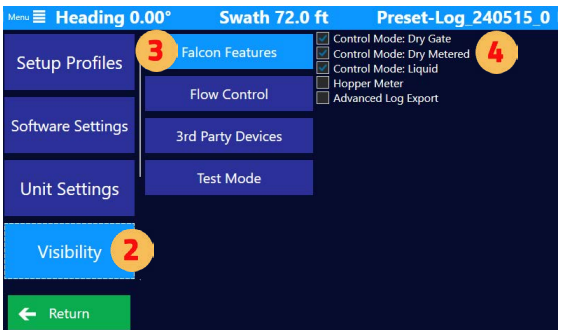
SATLOC® FALCON PRO

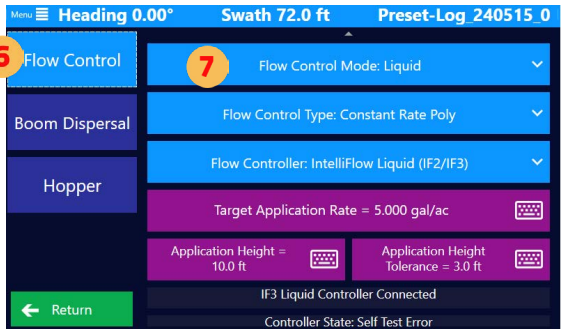
TRANSLAND METERATE INITIAL SETUP WITH SATLOC FALCON PRO

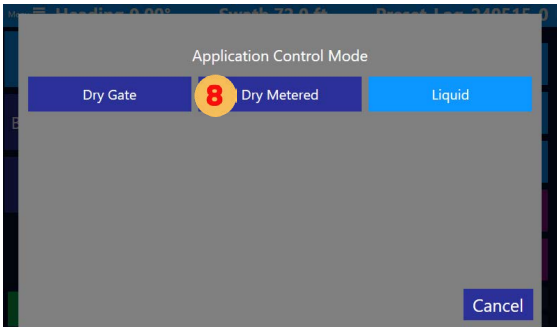
EXCERPT FROM
FALCON USER MANUAL
PN 875-3010-000, Rev B1

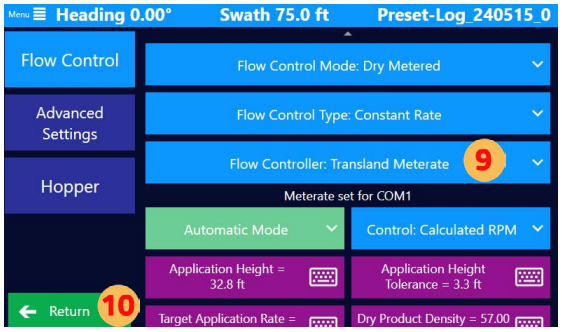
4.10 TRANSLAND METERATE INITIAL SETUP

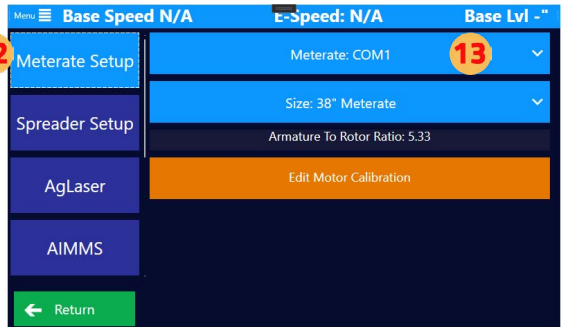
1. Tap 'Advanced'
2. Tap 'Visibility'
3. Tap 'Falcon Features'
4. Click the box for 'Control Mode: Dry Metered'
5. Go to Main Menu and tap 'Applications'
6. Tap 'Flow Control'
7. Tap 'Flow Control Mode'
8. Tap 'Dry Metered'
9. Verify the Flow Controller is the 'Transland Meterate'
10. Tap 'Return'
11. Tap 'Devices'
12. Tap 'Meterate Setup'
13. Tap 'Meterate COM'
14. Select the COM port connected to the Meterate
15. Select the correct Meterate size

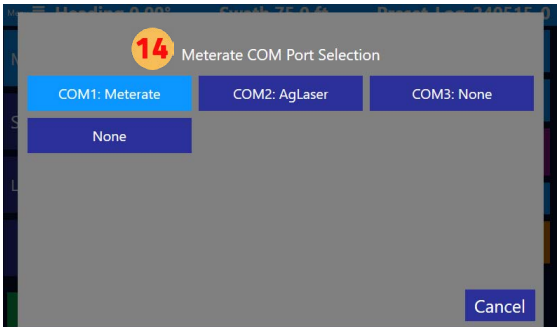


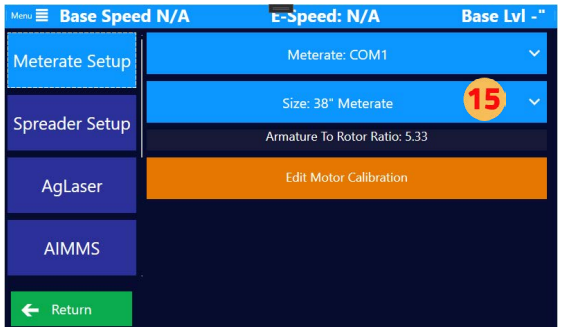












Calibration

16 Tap 'Edit Motor Calibration'

17 Voltages and RPMs are displayed. Tap a test voltage button.

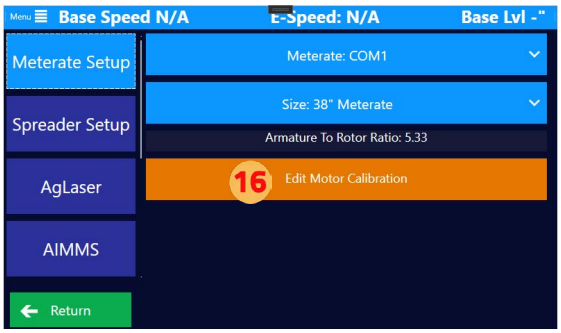
18 In the cockpit, look at the Meterate Controller. Look at what number appears on the tachometer window.

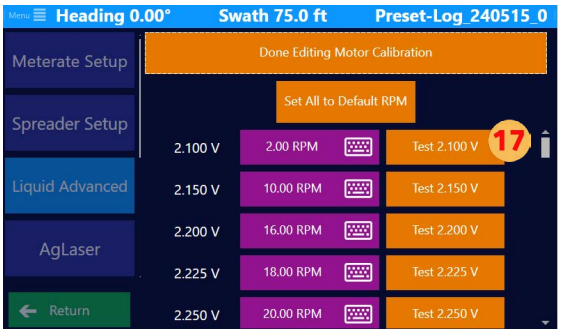
19 Tap the corresponding 'RPM' button with what test voltage button is being tested.

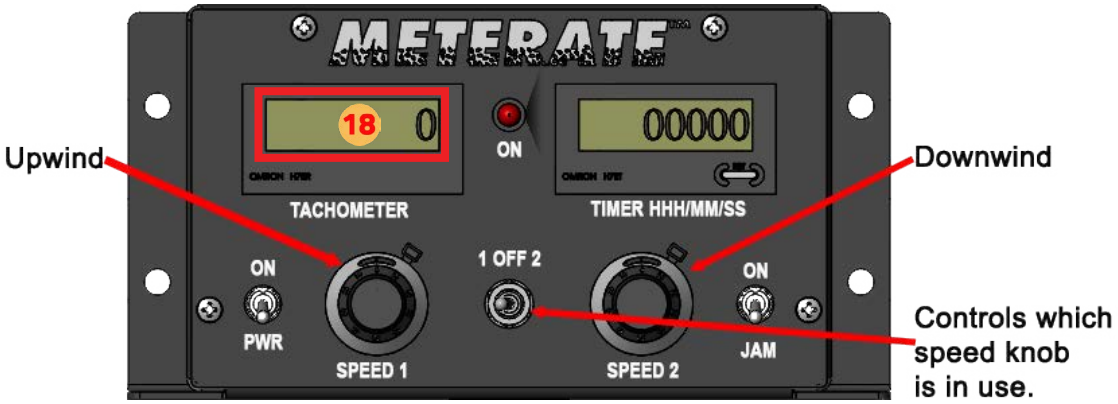
20 Input the tachometer value from the Meterate Controller. Then, tap 'OK.'

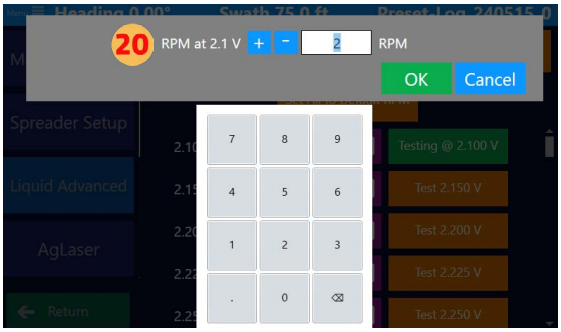
Note: Repeat Steps 17 through 19 for all voltages.

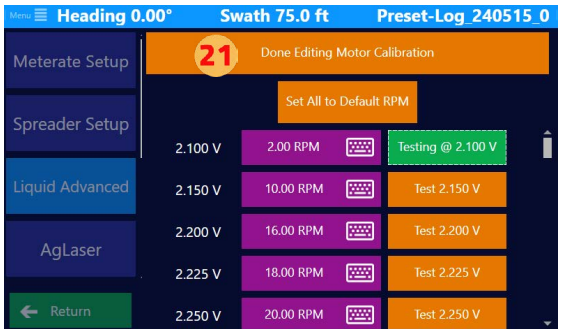
21 Tap 'Done Editing Motor Calibration' when all voltages are complete.









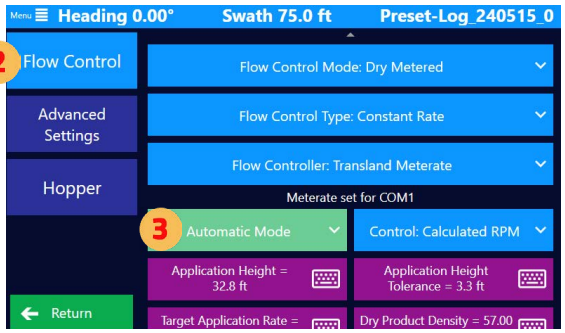


NOTE

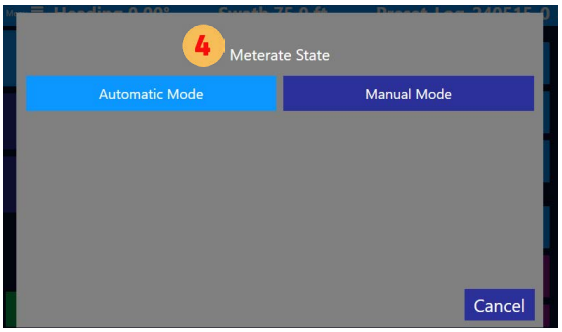
Communication from the Falcon to the Meterate is in one direction. Therefore, the Falcon cannot detect connection or performance issues, nor can any other GPS system. There is a way to check if the Meterate connection to the Falcon is working and all cables are connected. In the Falcon software, switch from auto mode to manual mode in the Meterate section (Application > Flow Control > Automatic or Manual Mode). You should see the tachometer numbers on the Meterate Controller change when switching to auto mode. The change in RPM indicates the connection to the Falcon is working, and the cables are connected.

Advanced Settings for Meterate

1. Tap 'Application'
2. Tap 'Flow Control'
3. Tap 'Automatic Mode'
4. Choose 'Automatic Mode' or 'Manual Mode.'

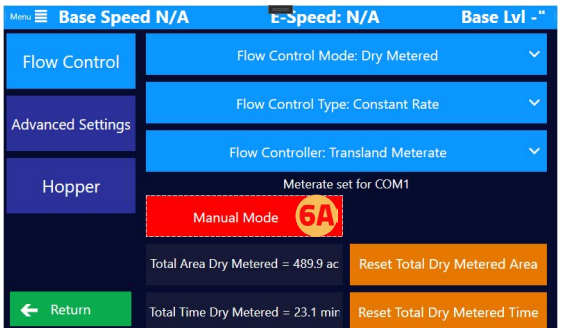


Note: Which Meterate State you select determines what values you will need to input .

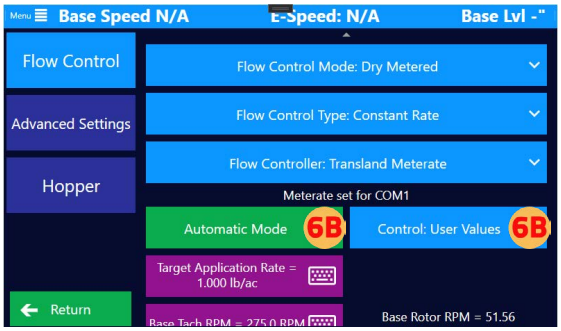


There are three options for calculating how to disperse product. These options are described as 6A, 6B, and 6C.

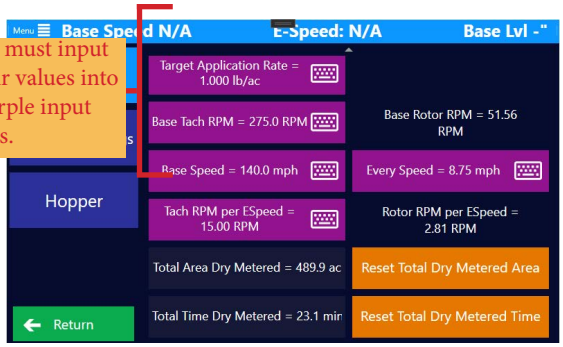
6A **Manual Mode** (The Transland Meterate Calculator is **NOT** being used.) The 'Upwind' and 'Downwind' knobs on the Meterate Controller set the RPMs in Manual Mode.



6B **Auto Mode with the control as user values.** (The Transland Meterate Calculator is **NOT** being used.) This option should be used if you do not know the product density.

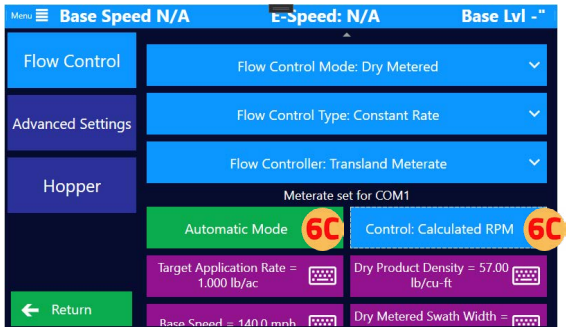


6B A user must input all their values into the purple input buttons.

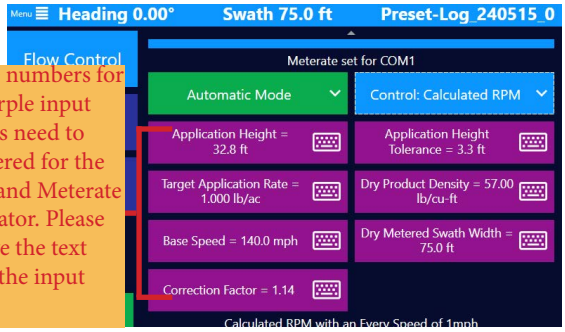


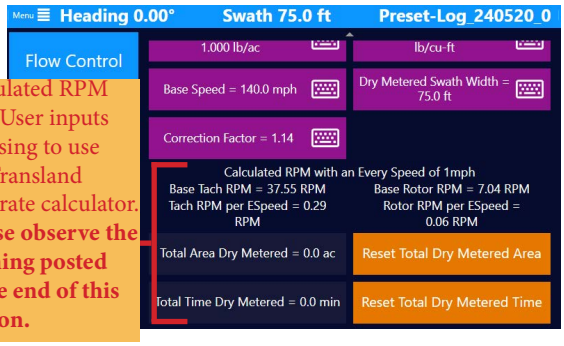
6C Automatic Mode with Calculated RPM.

WARNING This option should only be used if you know the product density.



6C All the numbers for the purple input buttons need to be entered for the Transland Meterate Calculator. Please observe the text below the input values.





Calculated RPM with User inputs choosing to use the Transland Meterate calculator. **Please observe the warning posted at the end of this section.**

WARNING If using "Automatic Mode" with "Control: Calculated RPM', all the calculations are based on the information you provide. Always verify your application rate before entering the field, as variables within your system can cause differences between calculated rates and actual output rates. Various dry products may have a higher or lower density, and adjustments must be made to account for the difference.

By using Transland's Meterate Calculator, I understand the supplied warning above and agree that by using this calculator, I am doing so at my own risk. As such, I agree to hold Texas Transland, LLC harmless for any and all damages.

WARNING

The screenshots in this User Manual are for informational purposes only and intended to help users navigate to the correct areas. The number values shown in these screenshots are not necessarily recommendations. Ultimately, it is the responsibility of the pilot/user to input values and information that are suitable for the product they are applying or for the specific job requirements. Always refer to product labels, job specifications, and industry guidelines to ensure proper application.