

CenterLine[®] 230BP with ClearPath[™] Technology

Simple to Use and Easy to Operate

CenterLine 230BP Product Features

- Advanced guidance modes including Headland Circuit, Straight A-B, and Curved A-B
- Bounded hectare counter
- Applied Area hectare counter
- Return to Point
- Circle Pivot

Features of ClearPath Technology

- ClearPath enhanced GPS Guidance
- Superior pass-to-pass performance where relative positioning is important
- Achieves pass-to-pass accuracies of 0 to 50 cm
- ClearPath integrated into CenterLine 230BP with no annual subscription or unlock code
- Delivers consistent and reliable GPS guidance performance

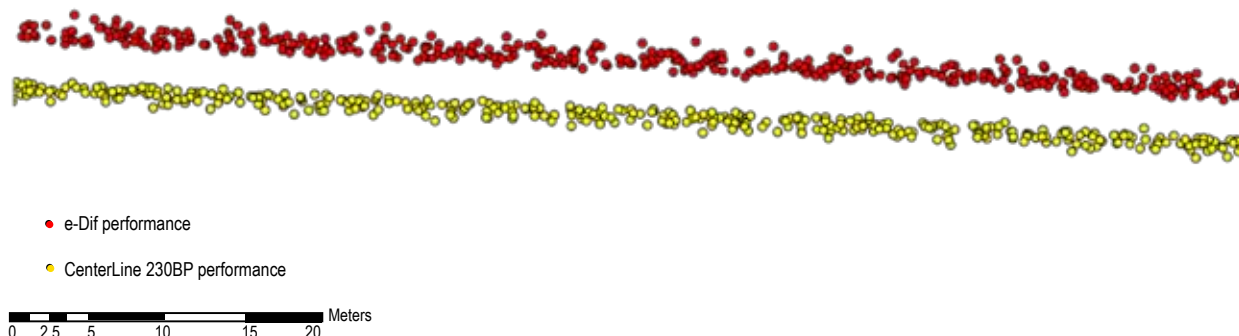
CenterLine 230BP Upgrade Features

- FieldPilot[®] Assisted Steering
- Automatic Boom Section Control
- Tilt Gyro Module



ClearPath™ Technology

ClearPath Technology provides accurate and consistent guideline position and eliminates drifts during field operation. In the Southern Hemisphere an autonomous GPS signal is the first option for entry level guidance. OmniSTAR XP or e-Dif provide more consistent and precise GPS guidance performance as compared to the autonomous signal, but may require a subscription fee or unlock code. TeeJet Technologies includes ClearPath Technology as a standard in the CenterLine 230BP, without the additional cost of an annual subscription fee or need for an unlock code.



Consistent and Accurate Guideline Position

ClearPath Technology uses sophisticated software processes to combine the position references of the L1 Code and L1 Phase measurements into a high quality GPS position and therefore provides superior positioning accuracy over competitive products, especially when the vehicle changes direction.

Using ClearPath Technology results in fewer position jumps when operating with or without a differential correction signal, and produces excellent pass-to-pass accuracy as required in the majority of agricultural GPS applications. There is no need to periodically calibrate, and the ClearPath Technology has proven to deliver consistent position performance when compared to e-Dif.

Automatic Boom Section Control

Automatic Boom Section Control software is built into the CenterLine 230BP, allowing for accuracy with every pass. To operate, connect to the product rate controller with the optional SmartCable. Applied areas will be identified by the internal GPS. When sprayer sections overlap into an area that has been previously applied the overlapping section will automatically stop applying product. As the overlapping section clears the applied area the section will automatically resume product application. A GPS application that has a quick return on investment – putting profits back into your bottom line quicker than ever.

- Provides pinpoint accuracy on row ends, especially point rows
- Any time a sprayer section moves into a previously applied area, it is automatically switched off
- Improves operator productivity
- Reduces chemical, fuel, and time requirements
- Reduces operator fatigue



Guidance Modes

Guidance modes are accessed through a simple user interface. Within ten (10) minutes, the operator is ready to work in the field. Compared to foam markers, there is no mess. In addition, the application is more accurate. Many users have been able to increase the speed of which they operate, even with larger equipment. This is where guidance really pays: work more acres better and faster.

Headland Circuit Guidance

Headland Circuit guidance is used to establish a perimeter around the application area. The CL230BP will allow two passes around the perimeter of the field - the original perimeter pass and one additional pass. Guidance is applied during the second pass, after the first pass has been completed. The perimeter pass establishes the base information for hectares within the bounded area. Also, a "No Spray Zone" outside the bounded area is established with the Automatic Boom Section Control upgrade. The interior application can then be completed using Straight or Curved A-B Guidance.

Straight A-B Guidance

Straight A-B Guidance provides straight line guidance based on a reference (A-B) line. The original A-B line is used to calculate all other parallel guidelines. Simple to use and understand, this guidance mode will improve application efficiency by 5% or more.

Curved A-B Guidance

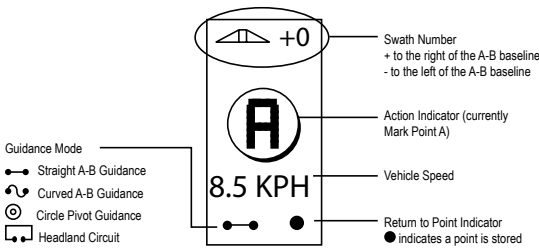
Curved A-B Guidance is similar to Straight A-B Guidance except that the reference line is curved. Curved A-B guidance helps to manage application in irregular shaped fields.

Circle Pivot Guidance

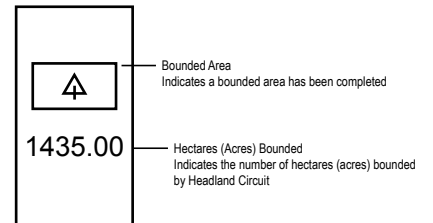
Circle Pivot Guidance provides guidance around a central location that radiates outward. Use this application when crops are planted under Circle Pivot irrigation.

Setup and Operation Screens

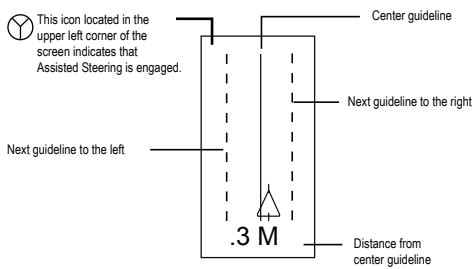
Navigation Screen - Mark A-B



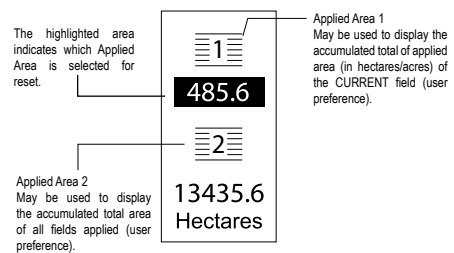
Bounded Hectares Screen



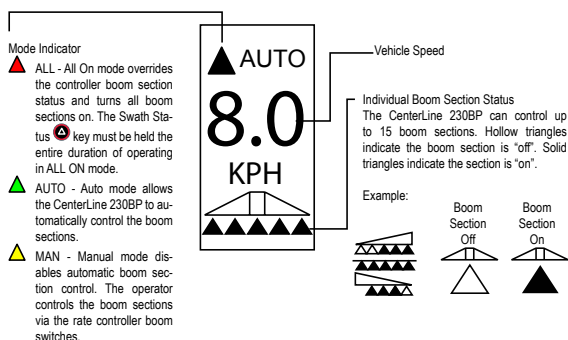
Guidance Screen - Map Page



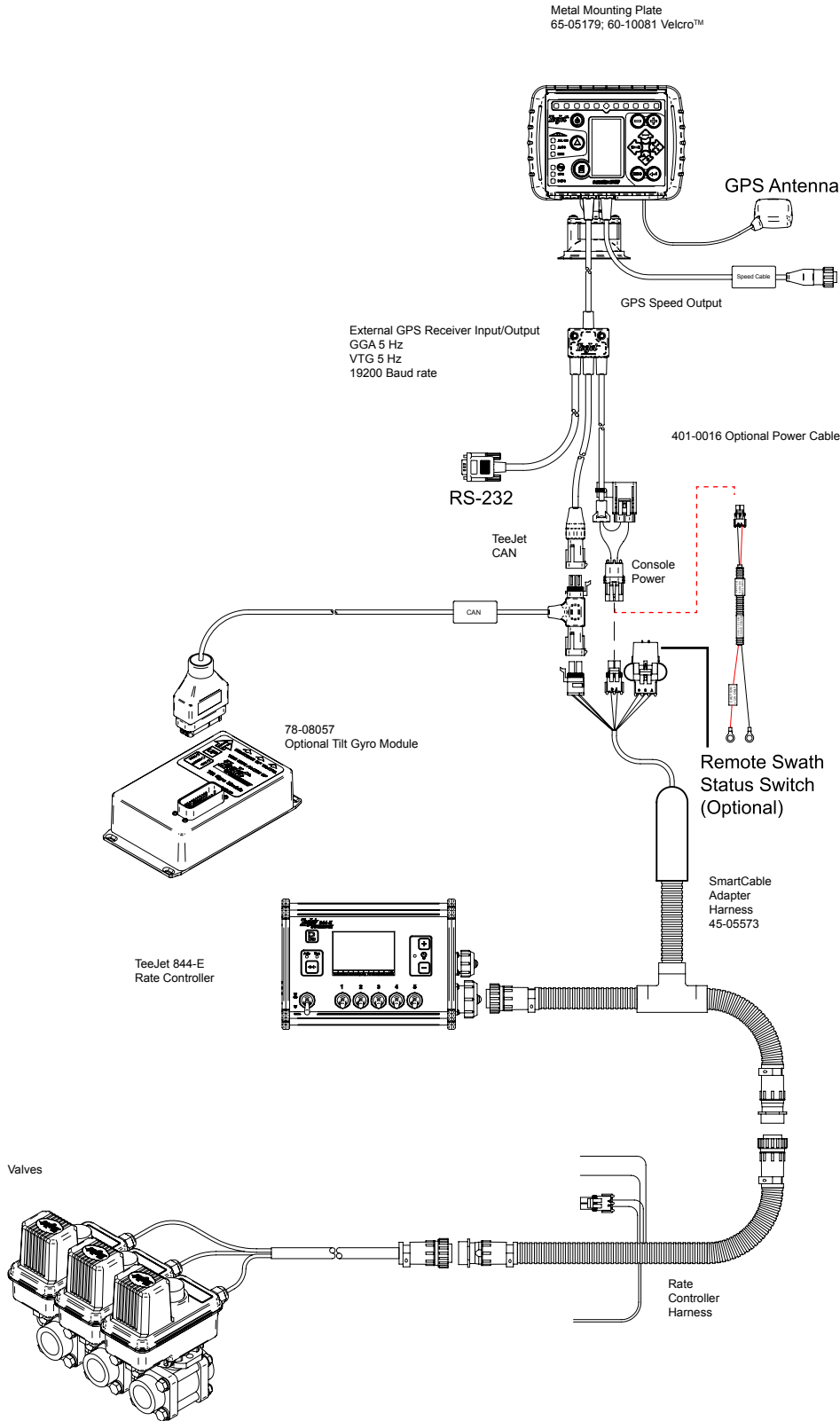
Applied Area Screen



Automatic Boom Section Control Screen



System Diagram



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