



HxGN AgrOn | ONBOARD CONTROLLERS

Ti5 & Ti7

The Hexagon Onboard Controllers offer Precision Agriculture features that monitor and automate agricultural operations, helping the operator perform tasks more efficiently and effectively.

CHARACTERISTICS

- 5" or 7" touchscreen display
- Compatible with several market machines
- Rugged aluminium case
- Intuitive and robust
- Capable of importing prescription maps and exporting maps of executed work
- Equipment Ti5 with IP67
- Contrast screen for viewing at night or in low visibility conditions
- Detailed operation information record
- Ideal to all field operation
- 3G and Wifi network communication option, allowing remote technical assistance service
- Multiple language support
- Ti5 compatible with up to three functions (Guide + Auto Steering Electric+ Optional)

OPERATION MODE



A-B Line



A+ Heading



Parallel A-B Curve



Adaptive Curve



Pivot

AVAILABLE FUNCTIONS



Auto Steering

Navigation aid that ensures alignment and minimises overlapping.

- Electric or hydraulic activation
- Correction system for slope and abrupt maneuvers
- Ability to work in straight lines, bends and pivots, maintaining the vehicle on the line even in difficult conditions
- Adaptability to most tractors in the market
- High performance, ensuring best adjustment time to route
- “Hands-free” operation capability so operators can focus on other agricultural activities
- Ability to design loading lines in the office
- Reduced operator fatigue

Function available in Ti5 (Electric) and Ti7.



Spray Control

Automated control of spraying to minimise overlapping of liquid product resources or avoid excess application.

- Automatic control of spraying nozzles – minimising overlap in the application of product resources
- Manual control of sections
- Automatic closing of sections, avoiding excess spraying
- Installation with several sets of valves in various types of sprayers

Function available in Ti5 and Ti7



Planting Monitor

System that controls and adjusts the quantity of seeds applied to soil, avoiding loss and making better use of the work area.

- Improved calibration with simple configuration
- Measurement of the seed population (recommended or above recommendation)
- Ability to plant at night
- Reduction of application failures
- Prevention of excess planting

Function available in Ti5 and Ti7.



Guide

Guidance by arrows and virtual guide so equipment operators remain in the right line.

- Touchscreen
- Precision in all operating modes
- Light Bar with configurable sensitivity
- Multiple guidance options
- Reading of maps in shape format (.shp)
- Ability to export or import maps through USB

Standard function in Ti5 and Ti7.



Fertilise

System regulates and automates fertiliser application, avoiding waste or failures.

- Simple operation and calibration
- High-precision controller
- Reading of maps in shape format (.shp)
- Viewing of application traces during operation
- Detailed operation information records

Function available in Ti5 and Ti7.



Planting Control

With a simple touch of the screen, the operator can open and close the planter clutches automatically or disconnect hydraulic motors that activate the lines.

- High-precision controller
- Controls up to four product resources simultaneously – one seed and three manures
- Simple operation and calibration
- Planting at variable seed rate
- Monitors and controls each seed or manure section

Function available in Ti7



Monitoring

Provides detailed monitoring of machines and fleets that integrate with the information management system.

- RPM reading and/or similar machine parameters
- Monitoring of productive and unproductive times, sensors and tolerance time
- Integration with pre-existing machine sensors or installation of owned sensors
- Automatic classification through rules associated to the positioning
- Configurable alarms for sensor thresholds, inconsistent operator input vs. sensor measures, non-productive times

Function available in Ti5 and Ti7

Farming Accuracy

Ti5

- GNSS L1 - GPS/Glonass 28cm (pass to pass, 15min)

Ti7

- GNSS L1/L2 - GPS/Glonass 15cm (pass to pass, 15min)
- GNSS L1/L2 - GPS/Glonass/TerraStar (4cm absolute)
- RTK - 2 cm (absolute)

