

# **INSIGHT** - See Clearly What's Happening In Your Field - While You're Still In It!



## **Insight – Power At Your Fingertips!**

- 10.4 inch color touch screen display
- Instantaneous color yield and moisture maps, application maps, hybrid/variety maps, and other general logging maps
- Map layering functions
- Adjustable legend
- Pan and Zoom map tools
- 4 user-definable on-the-go display items
- Spatially correct swath adjustments and data logging
- On-screen Summary Reports
- On-screen Keyboard
- Simplified setup with pick lists and wizards
- On-Screen Help
- 4 Direct Access Keys including Home, Setup, Summary, and Run
- Command popular controllers including Mid-Tech™, Raven, Rawson and others
- Modeless Operation
- Internal data logging including maps and summary info
- 64MB Industrial Grade Compact Flash Card for data transfer

## **Insight – Seeing is believing!**

Ag Leader's new Insight Display takes precision farming to the next level. With a large 10.4 inch, color touch screen display, you can clearly see on-the-go color yield and moisture maps, planting maps, and application maps instantaneously as you travel across the field. Having this information at your fingertips as you are working the field will provide *insight* on trends in the field while you are still in it. The Insight Display also has map-layering capabilities allowing the viewing of spring planting maps (different hybrids/varieties are mapped in different colors) at the same time as harvest maps are being drawn. This gives you the ability to see where different hybrids/varieties are planted as you are harvesting without the inconvenience of searching for flags or other physical markers located along the edge of the field.

## **Insight – Zooming in on performance!**

Insight's color on screen map has many features that allow you to get the most out of its use. The large 6.5-inch mapping area gives you plenty of room to clearly see the map and legend. In fact, Insight's mapping area alone is bigger than many other systems entire display. Legend values come preset from the factory for each crop but are also adjustable to closer reflect current field conditions. Throw in Insight's zoom and pan tools which allow you to take a closer look at a particular area of a field and you have the most powerful monitoring system available on the market today.

## **Insight – Making Precision Farming Easier!**

From the very beginning, the goal for Insight was not only to develop a technically superior product but also a product that was simple to use. Insight's easy to use touch screen display puts information right at your fingertips. Wizards and pick lists make setup and calibration a breeze. For example, instead of using traditional calibration sheets for combine setup, you can simply pick your combine model from a list. To make naming items such as fields easier, the Insight has an on-screen keyboard that will make this task quick and simple. Ag Leader also understands that you may have questions so the Insight has a built in on-screen help that will guide you through setup and calibration as well as explain other items and features in the monitor. Another feature that you will appreciate is the internal data logging in the Insight. There is no need for a data card while operating until you want to transfer the data from the Insight display to the computer for printing yield maps or for further data analysis. The Insight has enough memory to store an entire season of data. (Example: A planting or harvest season. Frequent data backup is still recommended).



## **Insight – Built for the Future!**

Engineered from the ground up to take advantage of emerging advances in Precision Farming, the Insight Display has plenty of processor power and memory to take advantage of new technologies and expand with your operation. The Insight system utilizes CAN bus technology, opening up the possibility of future compatibility with other CAN bus systems of equipment manufacturers and providing unlimited expandability.

(see back page for more details on CAN Bus)

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## Insight - Additional Features

- New log file format (.ILF)
  - More Management Data (Owner, Grower, Farm, Field, Region)
  - Logging by Product
  - Logging individual boom sections
  - Logging of field notes and marks
  - Numerous other additional items logged
- Tighter Integration with Ag Leader's SMS Desktop Software (makes getting results easier)
- Support for GPS by NMEA, TSIP, or CAN
- Ag Leader GPS setup and Advanced Lightbar operation through Insight Display
- Upgradeable through Memory Card
- Upgrade options available from previous Ag Leader systems
- RAM™ mounting options available

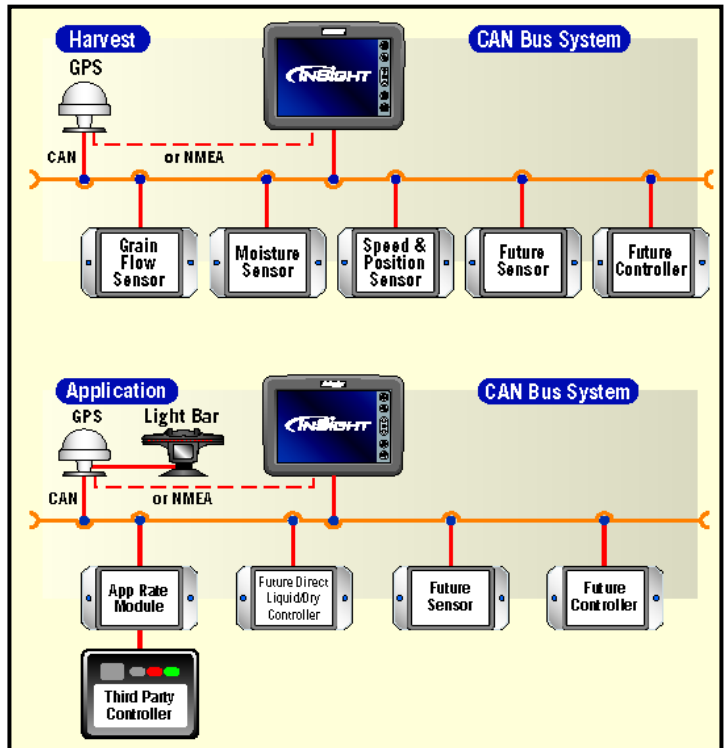
## Insight - Physical Characteristics

- **Dimensions:** 11.6" W x 8.9" H x 2.4" D (295 x 226 x 60.5 mm)
- **Weight:** 4.8 lbs (2.2 kg)
- **Enclosure:** High Impact Polycarbonate Chemical and UV Resistant
- **Environmental:** Operating: 14°F to 149°F (-10°C to 65°C)  
Storage: -22°F to 158°F (-30°C to 70°C)
- **Display:** 10.4 inch (264 mm) Color LCD Display  
Sunlight Readable  
640 x 480 Resolution  
Backlight Intensity Control
- **Touch Screen:** 11.2 inch (286 mm) diagonal  
Chemical Resistant
- **Audio:** Integral Speaker with Volume Control
- **Connector:** 1 – 28-Pin AMP
- **Card Slot:** 1 – Type 1 Compact Flash Slot
- **Input/Output:** CAN, Serial Port (RS232)
- **Mounting:** 75mm Mounting Hole Pattern  
U-Bracket (Standard)  
Ram™ Mount (Optional)
- **Electrical:** Full Function Range 8 – 18V  
Operating Range 6 – 19V  
Absolute Range 0 – 60V  
Reverse Voltage Protection  
Maximum Current Draw 2A  
Three Wire Power  
Push Button for Power Override  
Power Loss Protection for Shutdown

## Insight - Warranty

Insight Precision Farming Systems come with a two-year standard warranty.

## Insight - CAN bus



Insight uses the newest industry standard CAN bus technology (Controller Area Network). This technology allows Insight to serve as the user interface for a simple, modular system where a single high-speed cable (or bus) distributes vast amounts of information to and from the other control modules (i.e. grain flow sensors, moisture sensors, speed and position sensors, auto steer systems, application rate modules, etc.)

## Insight - Why CAN bus?

**Expandability** – Technology is changing quickly and you need a system that allows you to expand. Insight's CAN bus system allows extra sensors to be added without the need for additional ports or wires out of the display.

**Dependability** – Insight's CAN bus system constantly monitors itself and all of the modules to ensure optimal performance.

**Compatibility** – Insight's CAN bus will reduce compatibility issues by allowing it to interface with other manufacturer's equipment.

**Cleaner Installs** – Information is transferred through one high-speed cable.

**Easier Operation** – With the increased information Insight's CAN bus system provides, tasks can be automated, reducing the need for operator input.