

Seed Manager SE¹ Planter Monitor



Monitors Seed & Fertilizer flow rate for up to 96 Rows and Air Cart functions.

Seed Manager SE is designed as a modular, universal planter monitor system that consists of a Base Kit, Seed Flow Monitor Modules and Air Cart Monitor Modules. A single 5-wire cable connects the Modules together making installation and maintenance a much simpler task.

Seed Manager SE Base Kit

The base kit consists of the Seed Manager SE display console, main cab harness, ground speed interface, mounting kit and manuals - everything to the hitch point.

16-Row Seed Flow Module

Up to 6 Seed Flow Modules can be installed and each module can connect up to 16 Seed Flow Sensors. You can add Seed Flow Modules at anytime to expand the system in the future. These modules can also be installed on a row crop planter to display and monitor precision planting functions such as population, spacing and count.

Seed Manager SE can operate in a variety of population monitoring modes depending on how you want to configure your system. Planting population modes that can be selected include:

Population from all rows - All high rate counting seed sensors are used

Population from only the first sensor on each module - high rate seed sensor is used on the first row input only and Recon (block only) seed flow sensors on all others

Blockage detection only mode - (no population displayed), Recon (block only) flow sensors on all rows.

Air Cart Monitor Module

The air cart module gives Seed Manager SE the ability to monitor and display information for up to:

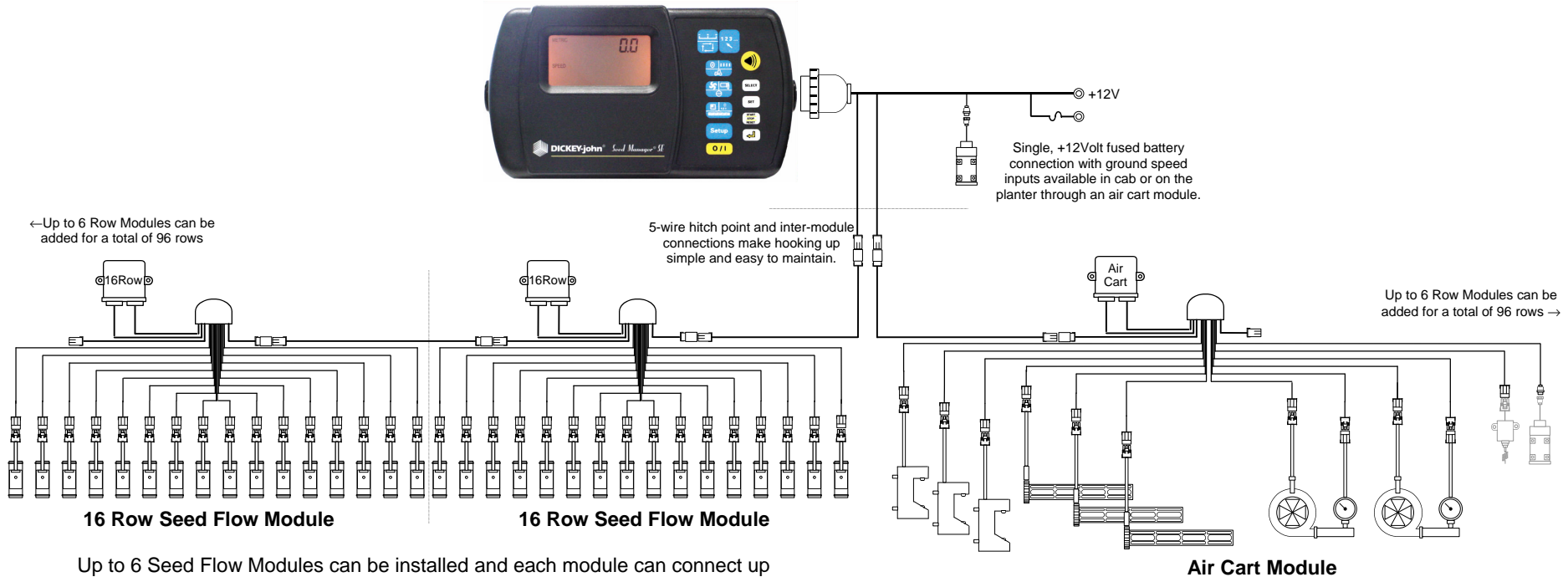
- 2 Fan RPM Sensors (with settable High & Low Alarms)
- 3 Shaft RPM Sensors (with settable High & Low Alarms)
- 3 Hopper Level Sensors
- 2 Air Pressure Sensors (with settable High & Low alarms)

and has inputs for

- Implement Lift automatic shut off
- Planter mounted Ground Speed input

Other Functions Include:

- Min/Avg/Max planting populations in 1,000's of seeds per hectare (acre)
- Row scan – automatically displays population for each row for 2 seconds
- Seed spacing – average spacing between seeds in centimetres (inches)
- Seed count – used to count how many seeds pass through a seed sensor for planter calibration
- Ground Speed
- 3 Area Accumulators
- Distance measurement
- English or Metric operation modes.



16 Row Seed Flow Module

16 Row Seed Flow Module

Air Cart Module

Up to 6 Seed Flow Modules can be installed and each module can connect up to 16 Seed Flow Sensors. You can add Seed Flow Modules at anytime to expand the system in the future.

Any combination of high-rate population monitoring sensors and low-cost blockage only sensors can be employed to reduce row cost, with the console being configured to look only at those accurate sensors to calculate precision functions such as population and spacing.

These modules can also be installed on a row crop planter and used with standard high-rate drop tube sensors to display and monitor precision planting functions such as population, spacing and count. The minimum, average and maximum values of these functions are available along with settable population alarms.

Seed Manager SE will suit almost any planter and grow with your future requirements. This, along with simple wiring connections, DICKEY-john reliability and service, give this system unmatched value.

The air cart module gives Seed Manager SE the ability to monitor and display information for up to:

- 3 Hopper Level Sensors
- 3 Shaft RPM Sensors (with settable high & low alarms)
- 2 Fan RPM Sensors (with settable high & low alarms)
- 2 Air Pressure Sensors (with settable high & low alarms)

and has inputs for

- Implement Lift automatic shut off
- Planter mounted ground speed

Seed Manager SE automatically recognises the presence and tests each of the hopper and pressure sensors on start up. The air cart module can be installed at any point along the Seed Manager SE harness system, and, as with all other SMSE modules, can be added or removed from the system to suit your planter configuration.