



**TOTAL VARIABLE RATE CONTROL**

# RATE CONTROL 7500



**NEW**  
**7000 SERIES**

- The 7500 delivers the precision and flexibility to vary rates manually or under fully automatic GPS control



Industrial German design

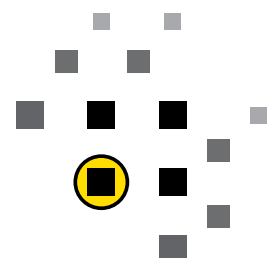


Software built from the ground up



Purpose built hardware

Another Australian made & designed product



MODERN RELIABLE EFFICIENT

7500  
7000 SERIES

# SEEDER CONTROL 7500

The all new 7500 sets a standard in airseeding technology. With software developed from the ground up and with practical farmer feedback, the 7500 delivers unprecedented flexibility and control over airseeder operation together with an integrated USB facility and task control capabilities, ready to run manual or fully automatic variable rates.



7500 controller with UniPOD

**Gear up your airseeder with the complete monitoring and control solution.**

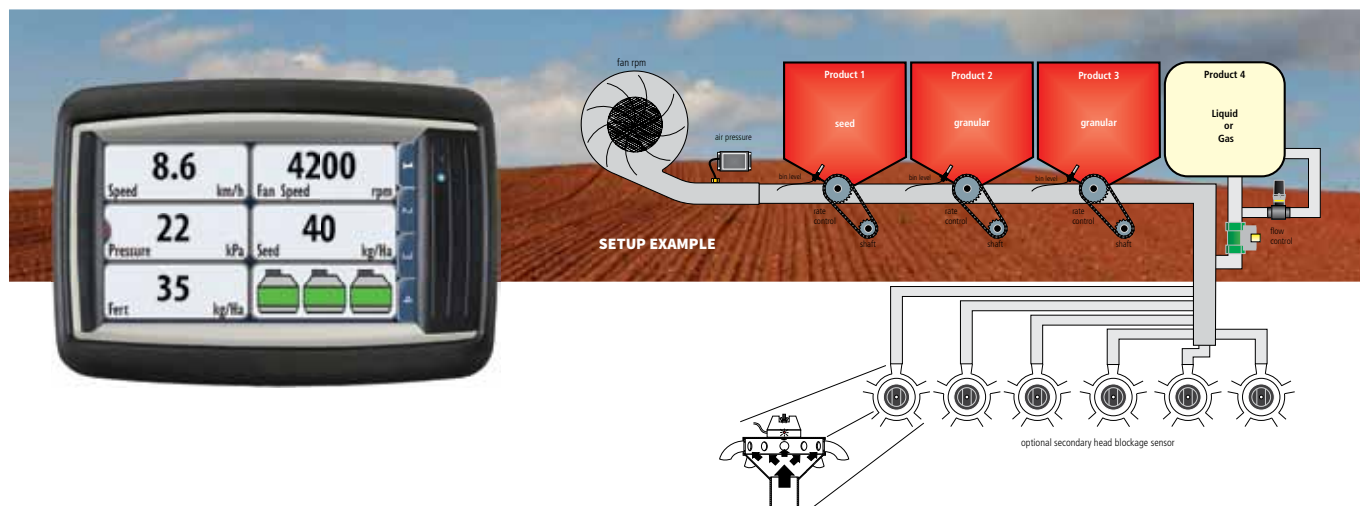


## A new standard in airseeding technology

The 7500 is a truly 'GPS Compatible' system that provides both user friendly manual operation or fully automatic rate map control with GPS connected. All functions are easy to read on a large 4.8" colour graphic touch display with simple functions and a smart warning system to alert the operator on critical conditions. The system is designed for open compatibility and is field upgradable, so regardless of colour or brand, you can gear up your airseeder with a complete control system that's ready to put your decisions into action precisely.

## Variable Rates

The 7500 displays 'live' rates for each bin which can be adjusted to suit varying soil types or to conduct seed and fertiliser field trials. Product rates can be manually increased or decreased in pre-defined steps and any bin can be switched off or reduced to half rate at the press of a button, saving costly wastage in poor soils and at headlands. When operating with GPS control, the 7500 adjusts rates automatically according to your prescription rate map on the USB device.



## Advanced FEATURES 7500

### User defined tab & tile display format

- You can choose any 4 or 6 tile main display options & upto 3 tabs (pages), so the information you need can be viewed the way you want it.

### Monitored Functions

- Critical airseeder functions are displayed for user convenience, backed up with audible warnings and a visual message to direct the operator if functions are operating outside predefined limits.

### Monitored functions include :

- Rate warning if selected rates cannot be maintained,
- Fan high/low speed warning with low speed cutout to save machine blockages,
- Air Pressure Kpa high/low alarm to detect damaged hoses or blockages
- Bin Sensors to warn of low bin levels,
- Final Drive sensors to warn of broken chains or incorrect gear ratio,
- Readouts of Ground Speed, Area per Hour and Distance : plus more,
- An optional Depth Indication sensor displays implement hydraulic ram position, which automatically stops the control functions when the implement is raised above a set point.

### Product Calibration

- The 7500 stores an unlimited amount of product calibration factors by name.

Product names can be created to suit specific seed and fertiliser types, then simply recalled into operation when ever needed.

Product calibration factors are established by entering the weight of product delivered from a set number of metering unit revolutions.

### Record Keeping

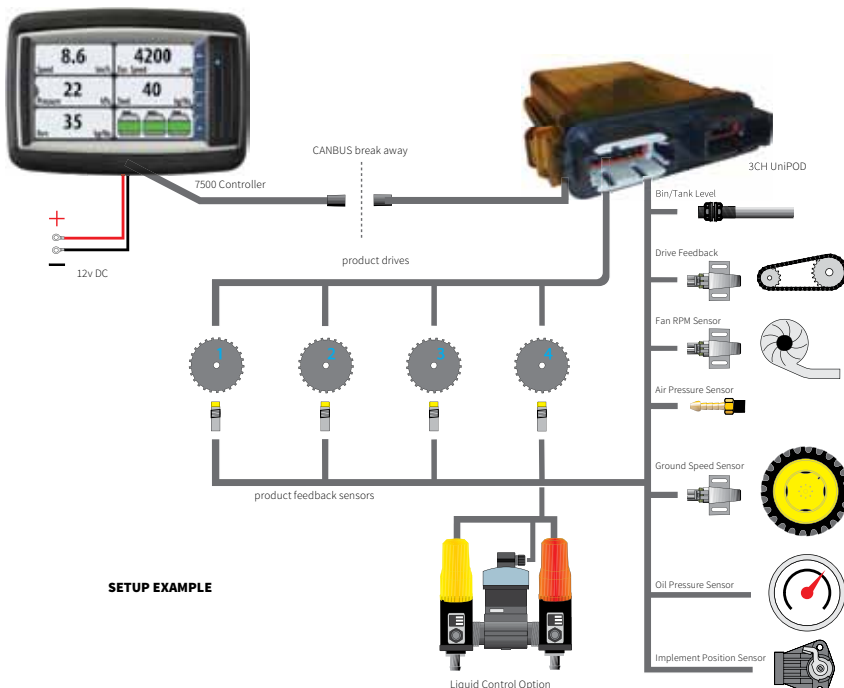
- For your convenience, the 7500 maintains a complete record of areas covered and products used for each field, plus overall totals of product tonnages and areas covered for the season.

To simplify record keeping, field names and numbers can be created and stored in memory to suit your farm then simply selected by the operator when starting a new job.

Products and rates can be pre- selected for each field to save time and reduce potential mistakes.

### USB Facility

- The 7500 accepts USB drives to transfer information between your office PC and the field. An inbuilt export to CSV function is available for use with other farming software.







## Metering CONTROLS 7500

A simple CANBUS cable connects the 7500 cab module to the airseeder control UniPOD, which regulates up to 3 product metering drives and reports airseeder performance back to the operator. (For more than 3 Channels simply add another UniPOD)

Metering control options include DC electric drive, electric over hydraulic drive or linear actuator control to adjust existing ground driven metering systems.

The 7500 systems are available as fully integrated standard equipment on leading airseeder brands or as retro fit kits for some late model airseeders.

-  **Linear Actuator**
-  **Liquid Control**
-  **Hydraulic Drive**
-  **DC Electric Drive**



## a bit about us

Since 1976 Farmscan Ag has developed, acquired and employed industry leading technologies, innovations and innovators to assist farmers to become the world's most efficient producers. We provide a complete range of electronics to steer, map, monitor and control spraying, spreading, planting and harvesting machinery.



A single UniPOD can be used to monitor and control 3 Channels. For example: 2x Seed & 1x Fertiliser. To add more sensor inputs, bins or liquid control valves, simply add one or more UniPODs to the CANBUS.

Pin	Function	Pin Example	Pin	Function	Pin Example
A1	GND	GND	B1	I/O 1 / PWM / Current / Volt	Valve 1 + / PWM / Current / Volt
A2	GND	GND	B2	I/O 2 / PWM / Current / Volt	Valve 1 -
A3	+12V In	+12V In / (Pressure Sens +12V)	B3	I/O 3 / PWM / Current / Volt	Valve 2 + / PWM / Current / Volt
A4	+12V In	+12V In / (Pressure Sens +12V)	B4	I/O 4 / PWM / Current / Volt	Valve 2 -
A5	CAN +	CAN +	B5	I/O 5 / PWM / Current / Volt	Valve 3 + / PWM / Current / Volt
A6	CAN -	CAN -	B6	I/O 6 / PWM / Current / Volt	Valve 3 -
A7	Sensor GND	Air Pressure/Bar Sensor GND	B7	I/O 7 / PWM / Current / Volt	Shaft 1 Speed/Position Sensor
A8	Sensor +5v Out	Button +5V Out	B8	I/O 8 / PWM / Current / Volt	Shaft 2 Speed/Position Sensor
A9	A/D 1 (0-5V)	Air Pressure Sensor (A/D)	B9	I/O 9 / A/D (0-30V)	Shaft 3 Speed/Position Sensor
A10	A/D 2 (0-5V)	Air Pressure 2 Sensor or Calibrate Start/Stop Buttons	B10	I/O 10 / A/D (0-30V)	Bin 1 Level / Shaft 4 Speed
A11	In 2 / Frequency / A/D (0-5V)	Fan Speed Sensor	B11	I/O 11 / A/D (0-30V)	Bin 1 Level / Shaft 5 Speed
A12	In 1 / Frequency / A/D (0-5V)	Fan 2 or Ground Speed Sensor	B12	I/O 12 / A/D (0-30V)	Bin 1 Level / Shaft 6 Speed

Specifications are subject to change without notice

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Proudly Australian owned & operated



### Technical Specifications

- Opus A3e Terminal
- 142 W x 98 H x 49 D mm
- 4.3", 16:9 Display
- 400cd/m<sup>2</sup>
- Operating -30°C to 75°C
- Protection IP67 & IP95
- Embedded Linux®