



# Seed Drill Monitoring

A range of control systems to monitor the operation and control the tramlining of conventional and pneumatic seed drills



The **RDS Tramline Control 100** and **RDS MFDC 100** are user-friendly and cost-effective methods of monitoring a number of seed drill operating functions and controlling the tramline sequence.

RDS offers two systems for monitoring seed drill performance and for setting tramlines.

The **RDS Tramline 100** is designed to control the tramlining function. The tramline count is advanced by a signal from a sensor activated by lifting or lowering the drill or markers. Any sequence of up to 30 bouts can be programmed and the unit is not limited to preset sequences.

The **RDS MFDC 100** is designed for monitoring numerous seed drill functions.

The tramlining function is the priority display and the unit will default to this channel. Two memory registers (Total 1 and Total 2) record the area worked. Area totals and all calibration data are stored automatically in memory when the instrument is switched off.

In order to alert the operator to machine performance issues, the MFDC 100 offers further alarm functions. A Forward Speed Alarm warns the operator if the machine stops whilst the drill is in work or when speed is low. There are also programmable High and Low Fan Speed alarms to warn of fan performance status and a Distribution Shaft Speed Alarm to indicate if the shaft stops for more than 40 seconds.

**Tramline 100 MFDC 100**



**Functions:**

Symmetric/Asymmetric Tramlines:	✓	✓
Current bout number:	✓	✓
Tramline bouts:	✓	✓
Righthand/Lefthand Tramline indicator:	✓	
Forward speed channel (mph/kmph):		✓
Partial/Total Area channel (Ha/acres):		✓
Fan speed (with high and low speed alarms):		✓
Seed distribution shaft RPM (with alarm):		✓
Hopper level low alarm:		✓
Automatic cut-out switch:		✓
Optional shaft speed sensor:		✓

**Technical data:**

Voltage: 10 - 30 Vdc  
 Temperature: -20 to +40°C operation  
 -30 to +70°C storage  
 Display: 4-digit, illuminated LCD  
 Protection: IP67  
 Shaft speeds: 0 to 9999 RPM

Warranty: 2 years

**System extensions:**

**GPS Forward Speed** - Signal inputs from a GPS receiver can be used for forward speed readings. An interface is required to convert the signal into a pulse for the instrument.

**TGSS** - A radar sensor option for true ground speed input into the instrument.

**Available from:**

**Also in the range:**



**Artemis** - A variable rate electric drive system for pneumatic seed drills, with integrated SD card reader for precision farming.