# APOLLO  Spreader regulation system



**An extremely versatile management and regulation system for all types of FYM and Granular belt spreaders**

The RDS Apollo is a user-friendly, fast-responding, automatic regulation system for all types of spreader.

Now with integral SD card reader for data recording.

## RDS TECHNOLOGY
PRECISELY

**www.rdstec.com**

The Apollo regulation system works by constantly monitoring the load cells and provides information on forward speed, spinner or beater speed, application rate, total and partial area, total and partial weight spread and live weight in the spreader.

The 'target rate' is easily entered into the instrument using the keypad and the application rate is controlled by a hydraulic control valve which sets the floor speed according to the set rate.

An integral SD card port allows the easy transfer of data from the unit and it is also compatible with many precision farming interfaces.

## FEATURES:

- Application Rate control proportional to Forward Speed by hydraulic floor speed.

- Weighing on main screen displays Live weight from Load Cells and self-calibrates.

- Ability to easily change the application rate on the move.

- Pre-Start function ensures that material is being spread at the start of each bout before starting to drive for improved coverage.

- Secure calibration menus prevent accidental or unauthorised calibration.

- Manual/automatic or variable rate control.

- Data-logging options through integral SD card reader.

- Comprehensive backlit display for use in all light conditions.

- Secondary software option for use of instrument in other applications.

## ADVANTAGES:

- Optimisation of product application ensuring an even application rate across field at a wide range of forward speeds.

- Traceability of where product has been applied for Customer and Environmental Agency purposes.

- Fully compatible with further precision farming interfaces (e.g. John Deere Greenstar compatible controllers, Trimble, Topcon).

- Reduces operator fatigue due to fully automated control of the spreader.

- Fast acting control loop for optimum performance over a varying load profile and density.

## TECHNICAL DETAILS:

| | |
|---|---|
| Operating voltage: | 11 - 28 Vdc |
| Keypad: | Rubber membrane - sealed |
| Display: | 160 x 128 pixel (95 x 75mm) |
| Temperature range: | -30°C to +75°C operating |
| | -40°C to +85°C storage |
| Warranty: | 2 years |
| Env. protection: | Instrument unit IP67 |
| | Full RFI/EMI protection |
| Dimensions: | 220mm x 156mm x 52mm |
| | (W x H x D) |

## SYSTEM ENHANCEMENTS:



**RDS GPS 16** - GPS speed signal input for accurate forward speed measurement.



**TGSS** -  True ground speed measurement with a radar input.



**System ERIS** - For variable rate control to third party systems.

## ALSO IN THE RANGE:

Spraymaster 200 - For accurate flow/pressure-based application in an entry-level instrument.

Delta 34i - An extremely versatile management and regulation system for all types of sprayer.

**WEIGHLOG** $\alpha$**10** -An advanced on-board weighing system specifically designed for agricultural loaders.