



FJDynamics



FJD ACRE RECORDING SENSOR

SMART SENSING, ACCURATE COUNTING

By detecting the lift and drop of your implement, the FJD Acre Recording Sensor automatically starts and stops recording the areas you've worked. It helps you get accurate records of your acreage, so you don't miss any spots or count areas you didn't actually work in. This makes your job easier and more comfortable. It's also easy to install on many different guidance systems, helping you farm smarter and more efficiently.



Smart Action Detection

Detect implement actions automatically to prevent false or missed area recordings, freeing your hands for other important tasks compared with manual recording.



Industry-Grade Protection

Enable long-term field use without affecting system stability. It can handle harsh farm conditions like vibration, dust, and rain.



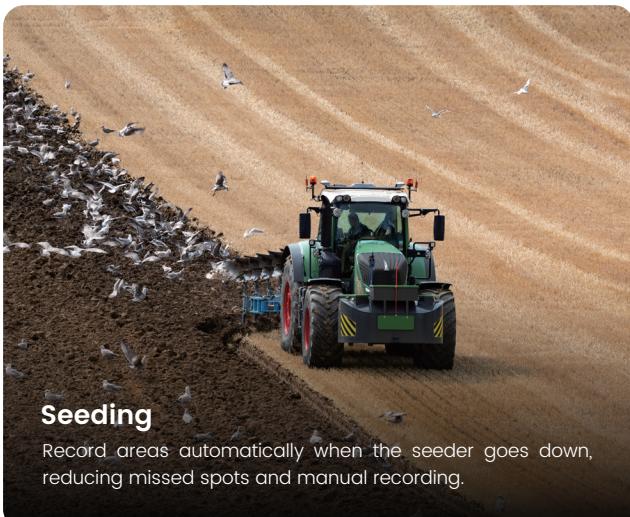
Non-Contact Angle Sensing

Use the angle changes of the hitch point to determine implement status. By reducing physical contact, it brings more accurate, reliable results than mechanical triggers like limit switches.



Easy to Connect

Integrate with navigation systems in a plug-and-play manner and sync data automatically to start or stop acreage recording. It works smoothly with FJD terminals and others, requiring no extra setup.



Seeding

Record areas automatically when the seeder goes down, reducing missed spots and manual recording.



Tillage

Stop recording when the implement is raised, ensuring accurate and reliable coverage data.

QUICK SPECS

Measurement Range	$\pm 1000^\circ/\text{s}$
Static Attitude Accuracy (Roll/Pitch)	0.1° RMS
Low-Dynamic Attitude Accuracy (Roll/Pitch)	0.5° RMS
Update Rate	500Hz/200Hz/100Hz (Optional)
Gyroscope Range	$\pm 1000^\circ/\text{s}$ (Optional $\pm 250^\circ/\text{s}$)
Accelerometer Range	$\pm 8G$

Resolution	0.0076°/s (at $\pm 250^\circ/\text{s}$ range)
Supply Voltage	5V
Power Consumption	0.3W
Operating Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C

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