

# Topcon H2 MFDC

## Seed Drill Monitor



- » Automatic seed drill monitoring and tramline control
- » 2.8" clear color display
- » Easy-to-use interface
- » High durability (IP67)
- » Speed data from wheel-sensors

Compatible with many conventional and pneumatic seed drills, the Topcon H2 MFDC provides seeder monitoring and tramline control in a low cost and easy-to-integrate package. The solution is designed to empower labor, optimize inputs and maximize yield.

The solution offers information on forward speed (including low-speed alarm), tramlining (permits symmetric and asymmetric sequences), area totals (flexible setup including totals per day, per crop, per customer, etc.), fan speed RPM (including low/high-speed alarm), shaft speed RPM (including low speed alarm), and hopper level alarms (including pre-level and low). Additionally, the solution also detects the drill's working state (raised or lowered) to automatically advance the bout number.



**Empower  
Labor**

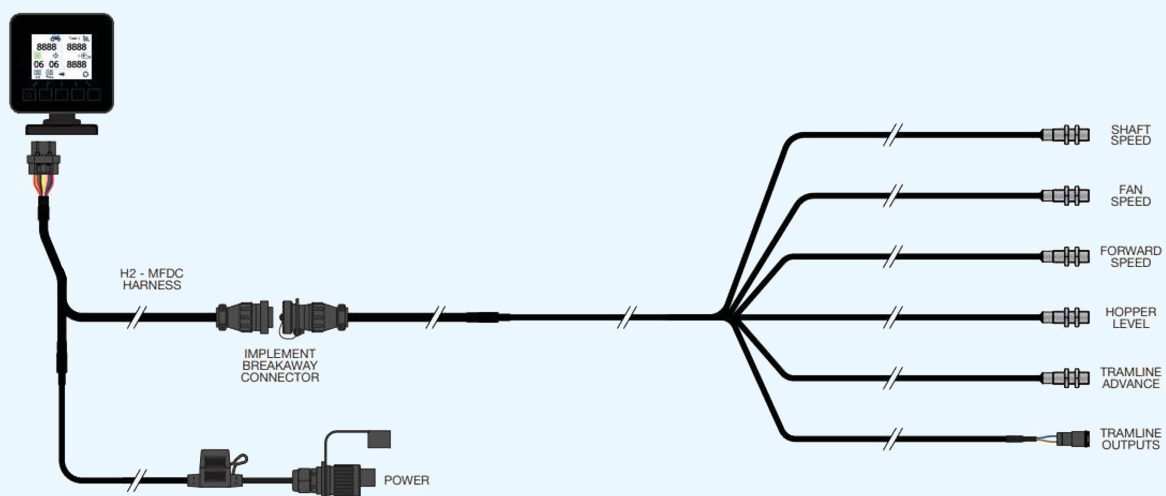


**Improve  
Applications**



**Optimize  
Growth**

### Schematic Drawing



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## Seed Drill Controller

### Electrical

Supply Voltage	9 - 30 V dc
Supply Current	< 500 mA (with no load)
Maximum Supply Current	15A (3A ISO13766 option)
Comms Ports	2 x CAN 2.0B
Input Protection	30 V
EMC etc	ISO 14982 (Forestry and Agricultural Machinery) For Bluetooth option also: FCC CFR 47, ICES-003 and EN 301 489-17 (RED) Build Option: ISO 13766:2018 (Earth Moving Machinery)

### Environmental

Sealing	IP67
Vibration / Humidity / Operating / Temperature etc	Conforms with: TTL Environmental Specification 'MIN_SP_0001' (Details on request)

### Inputs / Outputs

Outputs (3 amps each)	1x TL1+ 1x TL1- 1x TL2+ 1x TL2-
Inputs	1x Forward Speed 1x Tramline Advance 2x Fan Speed 2x Shaft Speed 2x Hopper Level
Hardware Interlock	1 x Hardware Interlock
Sensor Power	Protected +5V and supply voltages available for powered sensors

### Processor

Real-Time Processor	ARM M3 core running at 120 MHz
Non Volatile Storage	8 MB

### Physical

Dimensions	103 mm x 41 mm x 99 mm
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