



# SeedMon

## *System for Monitoring of Throughput and Blockage Detection for Seeding and Fertilizer Application*



MSO **SeedMon** is the solution for monitoring the amount of material conveyed in hoses, pipes or tubes for application of mineral fertilizer, slurry and seeds.

### **Mineral fertilizer**

Application of fertilizer e.g. granules, micro-granules, crushed split, powder in combination with

- Precision planter e.g. maize
- Seed drills

### **Slurry**

Tankers with distribution head(s) and subsequent hoses with

- Disc coulters
- Injector
- Harrow

### **Seeds**

From oilseed rape, canola to large beans

- Pneumatic seed drills
- Mechanical seed drills

# SeedMon Blockage monitor

The **SeedMon** Blockage monitor features a flexible system concept. The configuration of the components “hub(s)” and “the number of *SeeDector* Sensors” can be adapted to the given machine. Communication is implemented via CAN-Bus. The system can be integrated by OEMs with their own on-board computers / ECUs.

MSO **SeedMon** for retrofit is wholly integrated with a dedicated on-board computer and specific software developed by MSO.

## Benefits

- Measurement of the amount of material conveyed through hoses or pipes with *SeeDector* sensors
- Flexible system concept for OEM and retrofit
- Detection of partial blockage with decreased throughput with adjustable alarm threshold
- Mounting of the *SeeDector* sensors without cutting hoses
- No alteration of the passage of the material flow
- Nothing built into the flow, no constriction, no obstruction
- Unsusceptible against dirt / incrustation inside the hose / pipe
- Monitoring of switching on and off the material flow when tramlining
- Integration of the *SeeDector* smart sensor
- Calibration in field operation for different material, machine settings and mounting
- Simple retrofit on existing machines
- Robust cables and connectors, sealed when mounted according to IP69K
- Grounding throughout via shielded cables and connectors to dissipate electrostatic charges

## Technical Data:

System components:	<i>SeeDector</i> Sensors, Hub(s), Display Head unit
Hub:	Al-casing with 12 pcs M8 connectors (Standard)
Power supply:	10 to 36 V DC
Temperature range:	-20 °C to +70 °C
Output signal:	CAN 2.0 B, proprietary protocol
Warranty:	2 years

## A Product of:



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