

# **StocksAG**

## **Maxi Meter**

### **ORIGINAL OPERATING MANUAL & PARTS LIST**



**Read carefully before installation and operation**

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**Stocks Ag Limited.**

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## E.C. DECLARATION OF CONFORMITY

**Machine Type:** Mounted Agricultural Implement - Pellet and Seed application broadcasters

<b>Model(s):</b>	Fan Jet Pro	All Variants and Versions
	Fan Jet Pro Plus	All Variants and Versions
	Fan Jet Twin	All Variants and Versions
	Fan Jet Mini	All Variants and Versions
	Fan Jet Duo	All Variants and Versions
	Turbo Jet	All Variants and Versions
	Rotor Meter	All Variants and Versions
	Rotor Meter Air Force	All Variants and Versions
	Micro Meter	All Variants and Versions
	Maxi Meter	All Variants and Versions

**Serial No.** .....

**Manufacturer:** Stocks Ag Ltd  
Cromwell Road  
Wisbech  
Cambridgeshire PE14 OSD  
United Kingdom

This is to declare that the above machine conforms to the relevant Essential Health and Safety Requirements of the Machinery Directive 2006/42/EC, implemented in the United Kingdom by Statutory Instrument 2008 No. 1597 – The Supply of Machinery (Safety) Regulations 2008 as amended.

The following standards have been applied in the design and construction of this machine:

<b>BS EN ISO 12100:</b>	<b>2010</b>	<b>Safety of machinery – General principles for design – Risk assessment and Risk reduction.</b>
<b>BS EN ISO 4254-1:</b>	<b>2015</b>	<b>Agricultural machinery – Safety - General requirements.</b>
<b>BS EN ISO 4254-8:</b>	<b>2018</b>	<b>Agricultural machinery. Safety - Solid fertilizer distributors</b>
<b>BS EN ISO 13854:</b>	<b>2019</b>	<b>Safety of machinery – Minimum gaps to avoid crushing of parts of the human body.</b>
<b>BS EN ISO 13857:</b>	<b>2019</b>	<b>Safety of machinery – Safety distances to prevent hazard zones being reached by the upper and lower limbs.</b>

The manufacturer stated above holds the technical file for this machine.

Signed on behalf of Stocks Ag Ltd

  
**Name:**..... J Woolway

**Date:** 06<sup>th</sup> August 2020

**Position:** Managing Director



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## UKCA. DECLARATION OF CONFORMITY

Machine Type: Mounted Agricultural Implement - Pellet and Seed application broadcasters

Model(s):	Fan Jet Pro	All Variants and Versions
	Fan Jet Pro Plus	All Variants and Versions
	Fan Jet Twin	All Variants and Versions
	Fan Jet Mini	All Variants and Versions
	Fan Jet Duo	All Variants and Versions
	Turbo Jet	All Variants and Versions
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Signed on behalf of Stocks Ag Ltd

Name:  J Woolway

Date: 01<sup>st</sup> December 2020

Position: Managing Director

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# 1.0 General Information

Congratulations on your Maxi Metre purchase:

Please check the machine for any transport damage upon receipt and advise your supplier of any problems immediately. Late claims regarding any damage may be rejected.

Specifications descriptions and illustrations in this manual are accurate at the time of this publication but may be subject to change this manual are correct at the time of printing but we reserve the right to change and improve them. This machine is designed with safety in mind. Maintenance and servicing in accordance with

**NOTE: This Operating Manual forms part of the machine and must be readily available for the operator who must read and follow the points covered before use.**

## 1.1 Technical Data

**Model:** Maxi Meter

**Hopper capacity:** 165 litre

**Net weight:** Approx. 55kg

**Dimensions: (W x D x H)** 122cm x 38cm x 76cm

**Operating Voltage:** 12v

**Power requirement:** 10 amps, 12 volts with a minimum continuous 30amp supply.

**Motor outputs:** 120W **Noise level:** 65dB

## 1.2 Intended Use

This machine has been designed to be mounting onto any non folding parent implements such as power harrows, planters, and vineyard interrow equipment to safely apply most large seeds, high rates of grass seed and prilled fertilisers for the agricultural, horticultural and amenity sector.

Each hopper will cover up to 1.7m width for an even broadcast effect when the optional spreader plates are fitted or wider width if band sowing.

Any other use is considered to be non-intended and the manufacturer will not be liable for any resulting damage.

The manufacturer is not liable for any resulting damage if the machine is used for any other purpose than the intended use and also includes compliance with the conditions for operation, maintenance, and repairs prescribed within this instruction manual.

The applicable accident prevention regulations as well as the other generally safety-related, occupational health and road traffic regulations must also be observed.

## 1.3 Unintended Use

This machine is not designed to apply small seeds such as clover and OSR, abrasive materials such as sand & grit, or salt products.

Machines are not designed to be tipped when in work.

**The operator alone bears the associated risk if used for non-intended use.**



## 2.0 Safety

**Ensure care is taken when lifting the machine. Safe lifting practice to be observed when handling as the net weight is over 25kg.**



- We advise safety shoes and protective gloves are worn when handling the machine.
- Assistance will be required when lifting or lowering the machine.
- Care to be taken to avoid crushing due to the weight of the machine.
- When lifting or fitting the machine on to a parent vehicle or implement ensure work is performed on level ground or flat surface to avoid slipping, stumbling or falling.

### PERSONAL PROTECTION EQUIPMENT

It is the responsibility of the operator or maintenance engineer to ensure safe handling of the machine and the appropriate personal protection equipment must be worn for the material being applied and to prevent contamination to the machine or the environment.

**⚠ WARNING! Ear protection required if working in close proximity to the machine as it exceeds 80dB.**

### PRODUCT APPLIED

If applying slug pellets or other toxic material and the parent vehicle has a closed cab the operator must ensure the cabin is always closed and the air filter system is in good order. If fitted to a UTV vehicle ensure the stability of the parent vehicle is not affected when the machine is in use. If in doubt contact the vehicle manufacturer for more information. After working the machine ensure that any unused product is returned safely to its original packaging. Stocks Ag Ltd. does not accept any liability for the storage and use of the material being applied.

**NOTE:** If unsure contact your seed or product supplier for more information.

**⚠ WARNING! Always observe all application standards and guidelines provided by the product manufacturer as some seed dressings and granular products may be toxic.**

### OPERATION AND MAINTENANCE

The machine may only be used, maintained and repaired by persons who have relevant experience or a machinery dealer who is aware of any risks involved. The applicable accident prevention regulations as well as the other generally safety related, occupational health and road traffic regulations must also be observed.

The manufacturer is not liable for any damage resulting from unauthorised modifications and the use of components and auxiliary parts. The machine must be checked regularly by the operator (before each use) for any damage, loose bolts or electrical connections, vibrations, unusual sounds, and to ensure they function correctly.

The machine must not be operated in wet weather conditions or during thunderstorms. Observe the generally applicable safety and accident prevention regulations. Always empty the hopper of toxic materials to prevent harm to humans and animals after each use and prior to storage.

**⚠ WARNING! Do not put your hands inside the hopper when the agitator motor is turning as the agitator shaft inside the hopper rotates at high speed and is sharp and dangerous.**

**⚠ WARNING! Always isolate the power supply if servicing or leaving the machine unattended.**

## 2.1 Safety Warning Decals

**Important:** Be aware of the safety warning below which are all relevant to this machine



**⚠ WARNING!**

Read and understand the Operators Manual instructions before operating this machine.

Operator errors can result in serious injury.



**⚠ WARNING!**

Danger due to thrown or flying objects

Always maintain a safe distance whilst the machine is in operation.



**⚠ WARNING!**

Risk of injury. Possible trapping point when tipping hopper.



**⚠ WARNING!**

Risk of injury.

Be aware the feed mechanism is powerful and can cause serious injury.



**⚠ WARNING!**

Keep Clear!

Maintain a safe distance from the machine when in operation.

Wear the appropriate protective personal equipment.



**⚠ WARNING!**

Do Not Jet Wash This machine is not designed to withstand Jet Washing.

## 3.0 Emergency Stop Instructions

1. Power down the control system immediately by switching the main power switch on the left hand side of the cab control panel to the upper position **A**.
2. Disconnect the power supply by unplugging the power cable or removing the inline fuse.



## 4.0 Storage

Disconnect the power supply by unplugging the power cable or removing the inline fuse from the power cable if storing the machine for long periods.

It is the responsibility of the operator to ensure the hopper is empty after each use and cleaned thoroughly before storage.

Store in dry conditions to protect the machine and control system from moisture.

Always clean and spray electrical connectors with a moisture repellent spray when not in use for long periods.

## 5.0 Clearing a Blockage

Disconnect the main power supply.

Ensure the parent machine is stationary, switched off, and parked on level ground

Ensure the main power switch on the control panel is off and unplug the power supply cable or disconnecting the power cable from the vehicle battery.

**Ensure appropriate personal protection equipment is worn for the product being applied**

**Ensure any product removed is put back into its original container.**

**Care to be taken not to spill any product that could contaminate the environment.**

Empty the hopper of any remaining product - industrial vacuum recommended.

Investigate and unblock as required.

## 6.0 Disposal

**Ensure that any persons handling the machine are aware that the machine may have been used to apply toxic chemicals and so the appropriate personal protection equipment should be worn.**

Ensure the hopper contents have been removed and any toxic residue removed and put back into a sealed container or disposed of in accordance with the manufacturer's guidelines to eliminate any possible contamination of others or the environment

**Always adhere to the local disposal regulations paying particular attention to the plastics, rubber, and electrical components.**

## 7.0 General Maintenance

**⚠ WARNING!** Always ensure the power supply is disconnected before any maintenance work or cleaning of this machine by unplugging the power cable or removing the 40amp fuse in the power cable.

Ensure the parent machine is stationary and parked on level ground before working on the machine.

The machine must be checked regularly by the operator for any damage loose bolts or electrical connections, vibrations, unusual sounds, and to ensure they function correctly.

**⚠ WARNING!** Protective clothing must be worn when applying or handling toxic products.

Always observe all guidelines provided by the product manufacturer with regards to handling, storage and disposal of products. Take care not to spill any product that could contaminate the machine or the environment ensuring any product removed from the machine is put back into its original container.

### 7.1 Before Use

1. Ensure the machine is securely mounted.
2. Check the power supply and ensure the power cable is connected direct to the vehicle battery.

### 7.2 Daily Checks

1. Check the feed motor is working correctly.
2. Check feed hoses for any blockages and all hose clips are tight.
3. Check the spreader plates are positioned correctly (if applicable).

### 7.3 After Each Use

1. Empty hopper and clean the machine thoroughly.
2. Disconnect the power supply.
3. Replace the PVC waterproof cover (if applicable).
4. Store in dry conditions to protect the machine and control system from moisture.

**⚠ WARNING!**  
**DO NOT JET WASH THIS MACHINE.**



## 8.0 Machine Mounting

It is not practical to supply tailored mounting brackets for every implement on the market, and so the final attachment of the Maxi Meter to the implement is the responsibility of the supplying dealer or end user.

Select a strong, rigid position to bolt to the hopper units to your implement or parent vehicle. Fabricate and fit a work platform and steps, complete with handrails if necessary ensuring there is sufficient room to access the hopper.

Hoppers may face forwards or backwards – whichever offers the easiest mounting and best flexible tube run.

**Ensure any potential trapping points are noted,  
taking care not to trap hands or fingers.**



As Maxi Meters are gravity fed machines, hoses must be routed downhill with sufficient fall to allow the product to flow freely.

Each hopper unit is supplied with 9m of feed hose which needs to be cut to length and pushed onto each feed cup at one end (hose clips supplied) ensuring all hose runs are as short as possible, whilst giving a downhill route avoiding any kinks or severe bends.

Hoses can be left open for band application or adapted to fit parent machines as required, or optional spreader plates fitted to maximise the overall working width (1.7m when using all 6 outlets with spreader plates fitted and applying prilled fertiliser).

Optional spreader plates, clamp assemblies and "C" section mounting rail are available to maximise the working width of the product being applied. The spreader plates and clamps can be slid into position along the "C" section mounting rail and then locked into position using the integral bolts at the planned spacing.

Positioning of hopper units and the optional "C" section mounting rail, spreader plates and hoses will depend upon the type of application required.

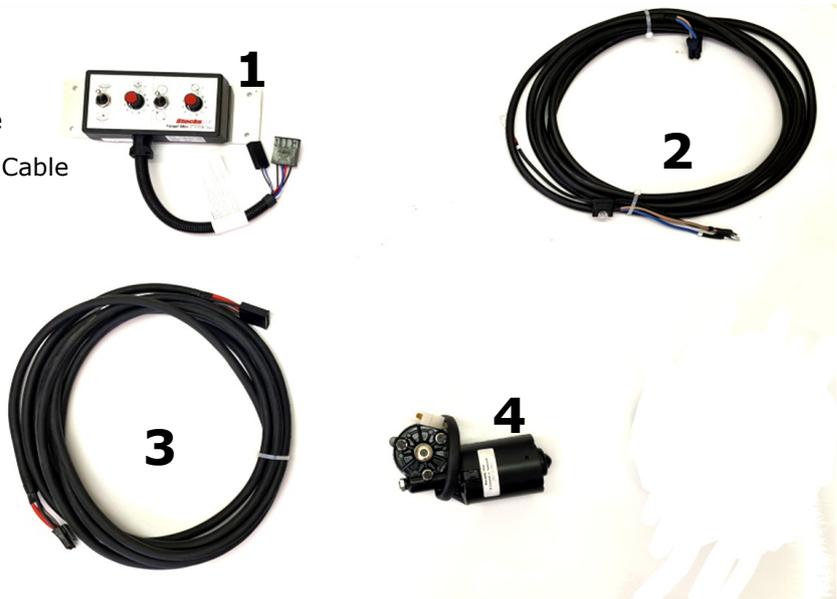
A working width of 1.7m is possible when using all 6 outlet hoses with spreader plates attached when applying prilled fertiliser or similar product.

**Optional components available through your local Stocks Ag dealer.**

## 9.0 Vari-Speed Controls

### 9.1 Electrical Components

1. **GA115B** Control Panel
2. **MM107B** 5m Fused Power Cable
3. **MM108B** 6m Control Connector Cable
1. **MM044C** Feed Motor



### 9.2 Electrical Connections

Power requirement is 12 volts with a minimum recommended continuous supply of 15 amps.

The machine is supplied with a control panel and all wiring.

Ensure the power supply cable (**2**) is connected direct to the vehicle battery to ensure maximum power. Connect the positive wire (fused) to the positive (+) terminal and negative earth connection to the negative (-) terminal.

**NOTE:** Always replace any blown fuse with the same amp rated blade type fuse as the original one fitted.

**Control extension cables available.** If required please contact your local Stocks Ag dealer.

**⚠ WARNING!** Failure to connect to the vehicle battery may result in control function problems and possible damage to the vehicle battery and charging system must be in good condition to achieve the best results.

All cables and controls are fitted with matching plugs and sockets.

**⚠ WARNING!** Any modification to the wiring, fuse holder or controls will invalidate any warranty claim and may affect the performance of the machine.

## 9.3 Control Panel

This is a simple and effective low cost manually operated electric control used to instantly start and stop the feed motor at headlands and uses a dial control to set the feed motor speed and thus the application rate.

It is not linked to forward speed, so once calibrated the operator drives at a consistent forward speed to maintain the rate, or can manually increase or decrease application rates on the move using the dial.

The left hand toggle switch **(A) is Power On / Off** and starts and stops the feed motor.

The motor is 2 speed and is switched using the centre toggle switch **(B) non functional**.

A 12 position rotary dial **(C) offers 12 different speeds** in each range, providing a total of 24 different motor speeds. Application rates are increased with higher motor speeds and decreased with lower motor speeds.



## 9.4 Remote Switch Facility

Control Panels have a spare white wire within the wiring harness which can be earthed to negative (-) via a suitable remote switch to switch off the feed motor, an additional switch can be positioned so it is activated when the parent implement is raised and lowered.

**NOTE:** Heavy Duty Cut Out Switch available: For more information please consult your local Stocks Ag dealer

**⚠ WARNING!** Ensure the position and operation of the control panel does not affect the visibility of the operator or the ability to control the parent machine.

## 9.5 Product Calibration

You will have to perform a catch and weigh test to establish the flow rate of product, and will need a suitable container to collect the product being metered and an accurate set of scales to weigh kilograms and grams, and a timer.

**To establish the correct flow rate of product being applied for your bout width, forward speed and application rate use the below formula:**

### Method

Use the following formula to establish the flow rate – this is a 1 minute catch test universal for all machines, products, widths and speeds.

$$\frac{\text{Application rate (kgs/ha)} \times \text{forward speed (kph)} \times \text{spread width (metres)}}{600} = \text{Flow rate in kgs per min}$$

### Example 1.

The required application rate is 25 kilograms per hectare. The target forward speed is 10 kilometres per hour. The bout width is 6 metres wide.

$$\frac{25 \text{ kgs/ha} \times 10 \text{ kph} \times 6 \text{ metres}}{600} = 2.5 \text{ kgs per minute flow rate}$$

### Example 2.

The required application rate is 5.5 kilograms per hectare. The target forward speed is 12 kilometres per hour. The bout width is 4.25 metres wide.

$$\frac{5.5 \text{ kgs/ha} \times 12 \text{ kph} \times 4.25 \text{ metres}}{600} = 467 \text{ grams per minute flow rate}$$

## 9.6 Calibration Catch and Weigh Test

1. Position a collection container directly underneath ALL outlet pipes to catch the product being calibrated.
2. Put a small amount of material in the hopper.
3. Perform the catch and weigh test.
  - a. Be ready to time the test - switch on the feed rolls – start timing – stop the feed rolls after 1 minute.
  - b. Accurately weigh the product metered over the timed period, and compare the weight collected to the figure indicated by the calibration chart at the end of manual. Increase or decrease the feed roll speed until you collect the correct amount of product for your rate, width and forward speed.
  - c. Use the cab control to select High or Low motor speed range and in combination with the 12 position motor speed dial adjust until the correct flow rate is obtained over a 1 minute catch test.

**NOTE:** Feed shaft speeds are regulated by the Micro Meter Vari-Speed or Micro Meter i-CON Drive Unit

**It is the responsibility of the operator to ensure safe handling of the machine and the appropriate personal protection equipment is worn for the material being applied and to prevent contamination to the machine or the environment.**

## 10.0 i-CON Controls

### 10.1 i-CON Control System

All control system components integral to the applicator unit are factory fitted.

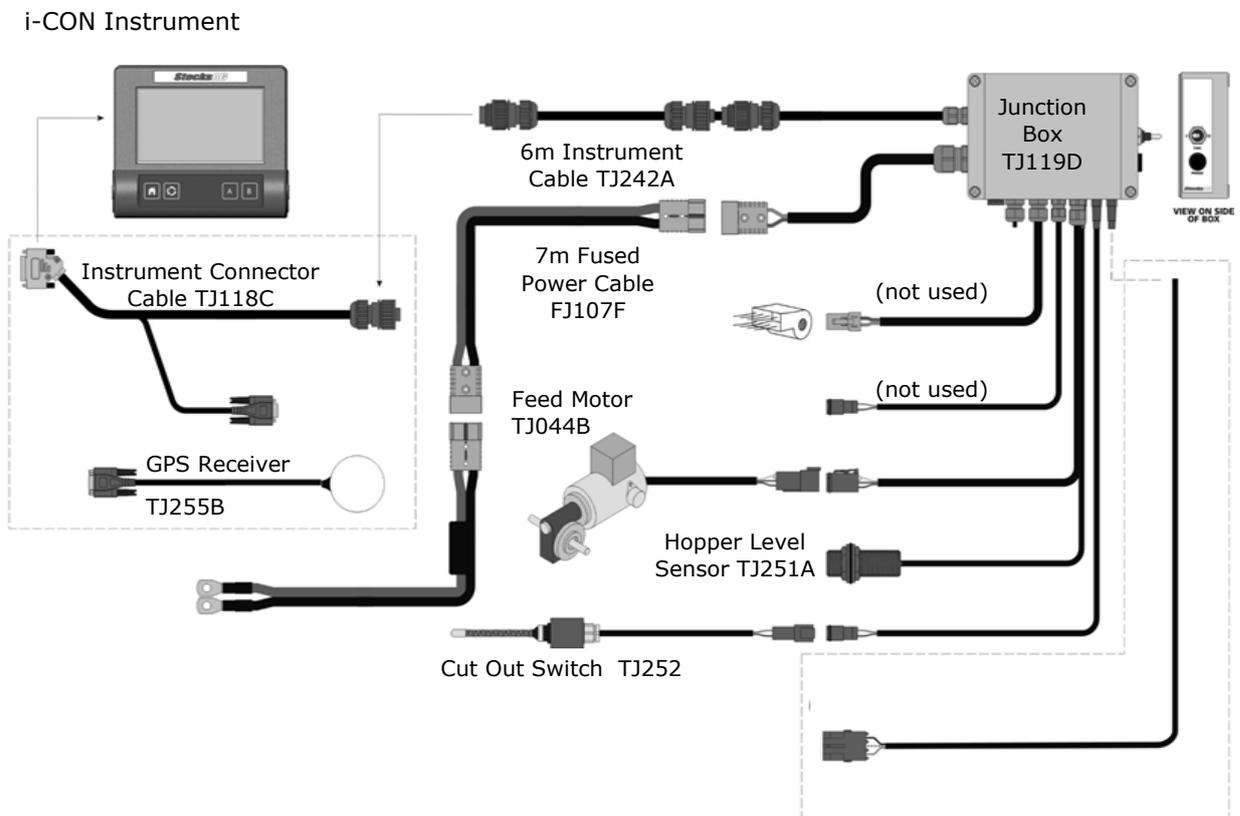
The Instrument has a 4.3" Colour Touch Screen which has 4 basic menu keys.

Separate power cable and head unit leads interconnect the tractor and the Seed Applicator Unit.

The following components need to be installed during fitment (packed in hopper from factory).

- i-CON Instrument: TJ117C.
- Instrument cables: TJ118C and TJ242A.
- Fused Power Cables: MM107C.
- GPS Receiver: TJ255B.
- Cut out Switch: TJ252.

### 10.1 Wiring Diagram



### 10.2 Electrical Connections

**Ensure the power supply cable is connected directly to the vehicle battery to ensure maximum power.**

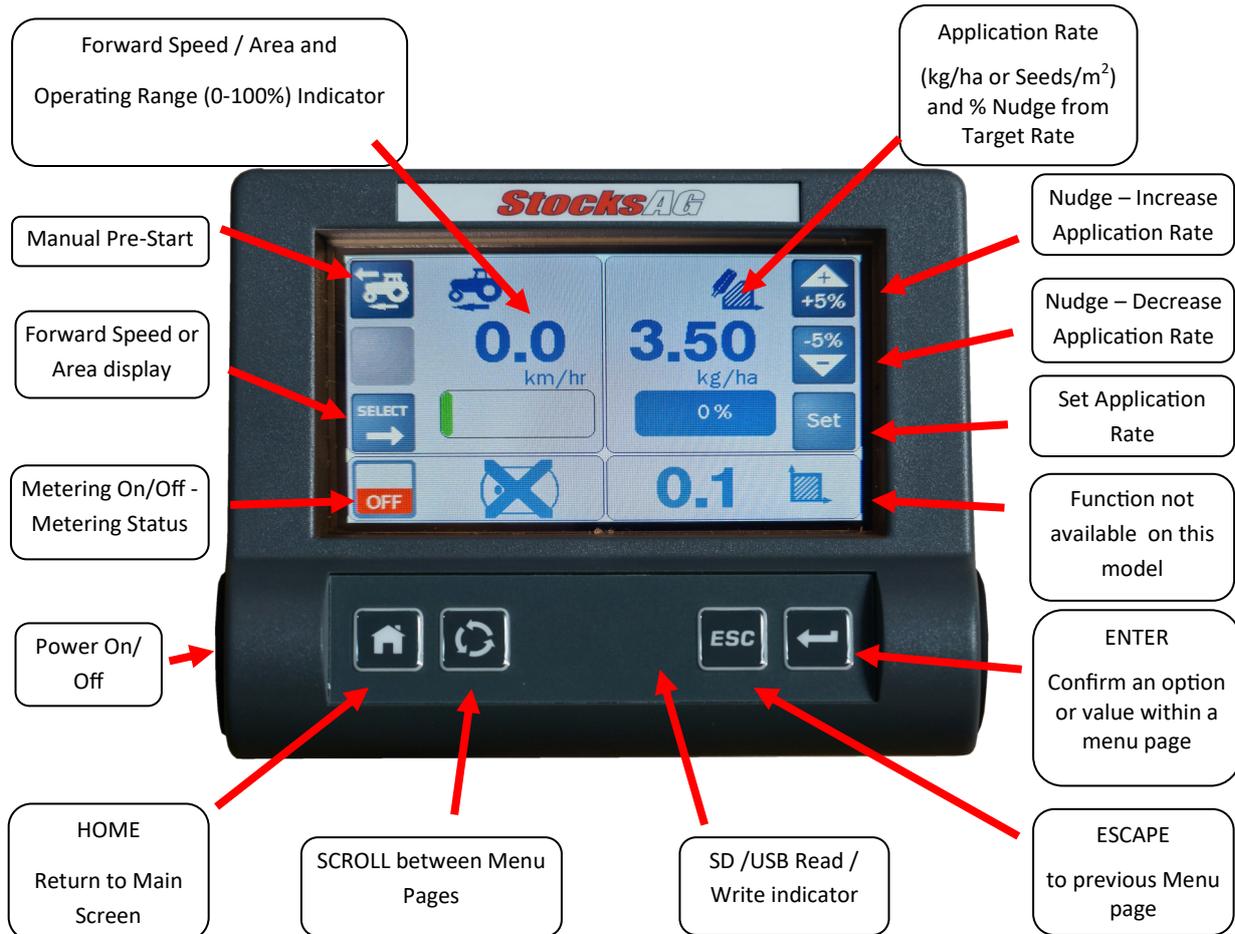
Connect the positive wire (fused) to the positive (+) terminal and negative earth connection to the negative (-) terminal.

Failure to connect to the vehicle battery may result in control function problems and possible damage to the vehicle battery and charging system must be in good condition to achieve the best results. All cables and controls are fitted with matching plugs and sockets. Extension cables available.

**Any modification to the wiring, fuse holder or controls will invalidate any warranty claim and may affect the performance.**

Always replace any blown fuse with the same rated fuse as the original one fitted.

## 10.3 i-CON Instrument Functions



- Seed Application Rate (kg/ha or Seeds/m<sup>2</sup>).
- Forward Speed (km/hr).
- Minimum/Maximum Forward Speed indicator with alarms, (beyond which the programmed seed rate cannot be maintained).
- Metering Unit Status (On/Off) and Alarm.
- Fan Status (not applicable).
- Hopper contents (kg) and Low Level Alarm.
- Part and Full (Job) Totals for Area (ha), Product dispensed (kg) and hours worked.
- Grand Total for Area (ha), Product (kg) and hours worked.

Other features include,

- Simple and intuitive touchscreen Alarm codes and diagnostic displays in the event of system malfunction.
- Menus for Forward Speed / Product calibration and adjustment.
- Pre-start - ensures seed delivery begins immediately the drill enters work (user-programmable).
- Rate 'Nudge' - on-the-move rate adjustment in pre-set increments (user-programmable).

**NOTE:** A comprehensive control system user guide also supplied (packed with the i-CON instrument).

## 10.4 Precision farming software - Optional

The instrument can be unlocked to activate the precision farming program as a cost option.

This is something that can be requested when the machine is purchased or can be added at a later date.

**Please contact your local Stocks AG dealer for more details.**

## 10.5 i-CON Calibration

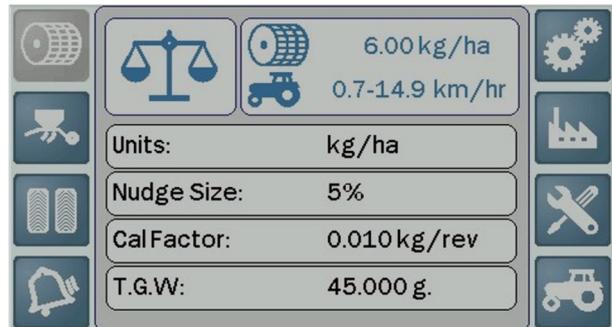
You will need a suitable container to collect the product or seed when calibrating and an accurate set of scales which weighs in grams.

## 10.6 At The Machine

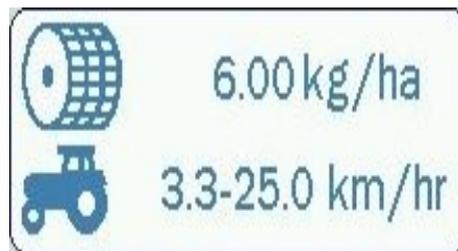
1. Position a suitable collection tray directly underneath each of the feed hoses or outlets to catch the product.
2. Place a few kilograms of seed evenly across the hopper.

## 10.7 At The i-CON Instrument

1. Switch the spinning disc / fan off at the instrument
2. Switch the head unit ON via the left hand side push button – wait until the start-up routine has finished and displays the main “home screen”
3. Scroll through  to the Setup Menu and select the Applicator Icon.
4. Adjust the implement width accordingly - refer to the RDS manual, Set Implement Width.



5. Ensure the correct application rate is entered – select and adjust accordingly, refer to the RDS manual, Setting the Application Rate.



6. Ensure the feed roller setup is appropriate for the intended product or seed type, application rate and forward speed range for application.

7. The instrument calculates the calibration factor from the working width, target application rate, and the metered weight delivered whilst calibrating. If however as a result of the calibration routine, you find that you cannot achieve your desired field speed, displayed in the top right corner of the screen, then re-configure the feed roll assembly and repeat the calibration procedure.

8. Prime the feed rolls with product by pressing and holding briefly the prime button on the junction box - this will ensure a higher initial calibration accuracy, empty the contents of the tray back into the hopper.

9. For an **Auto Calibration** from the Product Setup page, touch 

10. Touch  and enter the quantity that you wish to dispense for calibration purposes. You can enter the quantity in grams if preferred. The CAL factor will however, still be calculated in kg/rev.

11. Touch on the screen page 

12. After the  key the motor runs at the calibration speed (calculated from the Simulated Forward Speed, Width, Application Rate and current calibration factor).

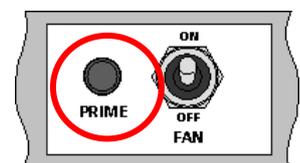
13. The dispensed weight (based on the current calibration factor) is displayed.

14. Weigh the product dispensed and then enter the measured weight, and press 

15. A new calibration factor is then re-calculated and displayed.

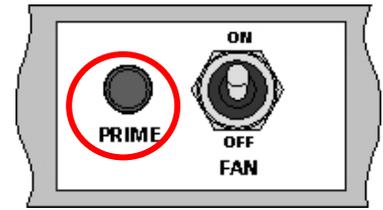
16. Your in-field min and max speeds will be displayed as per the image to the right hand side. If you find that you can not achieve your desired field speed, then re-configure the feed roll assembly and repeat the calibration procedure **NOTE:** Recommended min speed 0.8kph - 1.2kph (if not see feed roller configuration).

17. Touch  to save the new factor, it is advised to repeat the calibration two more times to ensure accuracy.



## 10.8 Manual Calibration

1. Press and hold the Prime button on the junction box, the larger the quantity dispersed the higher the accuracy the final calibration factor will be. Release the prime button once sufficient product has been dispensed.
3. The estimated dispensed weight (based on the current calibration factor) is displayed.
4. Weigh the product dispensed (in grams) and then enter the measured weight, and press .
5. A new calibration factor is then re-calculated and displayed.
6. Your in field min and max speeds will be displayed. If you find that you cannot achieve your desired field speed, then re-configure the feed roller assembly and repeat the calibration procedure.
7. Touch  to save the new factor, it is advised to repeat calibration two or three more times to ensure accuracy.



## 10.9 GPS Speed

The i-CON control system is automatically configured to run with GPS receiver supplied and is a simple plug and play device. This system only works outside and if you are not receiving a GPS signal an alarm will displayed on the main screen indicating NO GPS.

## 10.10 Common Calibration Mistakes

- Ensure you enter the width and required rate correctly – that the decimal point is in the correct position. If the rate is 2.5 kg/ha, enter 2.5. (not 25 - which is 25kg/ha).
- Remember to deduct the weight of the collection bag or bucket – weigh only the contents.
- Ensure you work in grams – not kilograms.
- Ensure you are working in the mode required – either Kilograms per Hectare or Seeds per Square Metre. The standard default mode for the i-CON is in Kgs/Ha and you will have to reconfigure the display if you want to display Seeds per Square Metre. You do not need to enter or change the TGW if working in Kgs/Ha only if working in Seeds per Square Metre - Refer to the RDS manual, Section 3, page 21, Units and TGW.
- Ensure you check the minimum and maximum speeds displayed, and that they are sensible for your field operation. This is the speed range that the i-CON can maintain the required application rate, and depends on the width of your machine, the application rate required, and the type and configuration of feed rolls fitted.
- Ensure that the speed range will work for you in the field – ensure that your target forward speed will not be close to either the minimum or the maximum of the range, and that you have some reserve of speed range above and below the in-field forward speed. Ideally your forward speed will be in close to the middle of the range.
- If the minimum is too high, for example 4kph then the feed motor will be running too slowly if your forward speed drops towards the minimum as you set in and lift out of work, and this could result in missed patches (although the alarm will trigger when either the minimum or maximum speed is reached).
- If the indicated speed range does not work for your operation, you must change the feed roll configuration or the type of feed roll to apply more or less seed, per revolution of the feed mechanism, as required. Once completed, recalibrate and note the new speed range.

## 11.0 Feed Shaft Speed

**Feed shaft speed is a combination of gearbox setting and or motor speed.**

The mechanical gearbox has 2 speeds. Two long bolts and spacers locate the motor and its mounting plate to the gearbox. To select low gear, fit these bolts in the appropriate holes through the gearbox and connect the socket to the marked low speed input shaft. To select high gear, fit these bolts and spacers to the alternative holes through the gearbox and connect the socket to the marked high speed input shaft.

**NOTE:** machines are supplied with motors fitted on the low gearbox setting as standard.

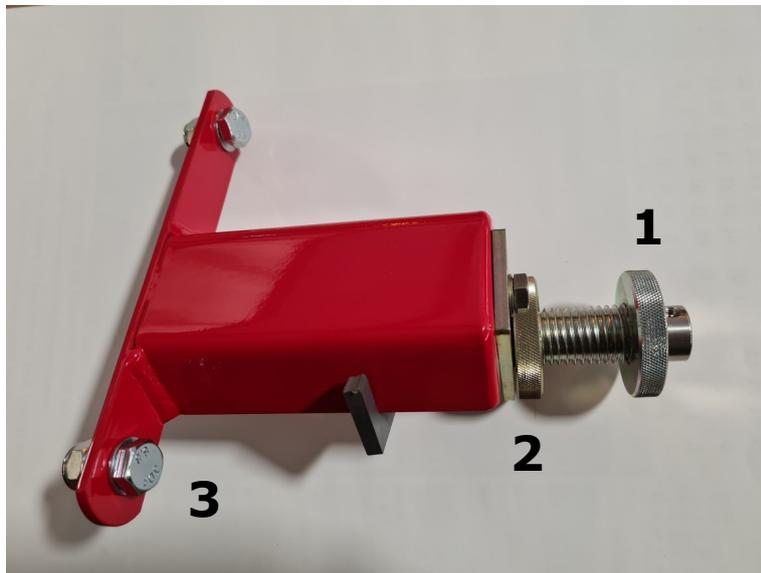
## 11.1 Feed Roller Adjustment

Feed rollers slide in their housings to expose between 0-100% of the roller to the material in the hopper. Adjustment is made by turning the threaded adjuster on the side of the machine (1).

Once set, the adjustments can be locked in position with the knurled locking wheel (2) to prevent accidental movement.

## 11.2 Feed Adjuster Assembly

**NOTE:** When the adjuster reaches the end of its travel and begins to tighten back off one full turn and lock into position.



**⚠ WARNING!** Always observe all application standards and guidelines provided by the product manufacturer as some products may be toxic.

**If unsure contact your supplier for more information.**

## 12.0 Add On Unit - Optional

To double the number of outlets available Add On Units are available.

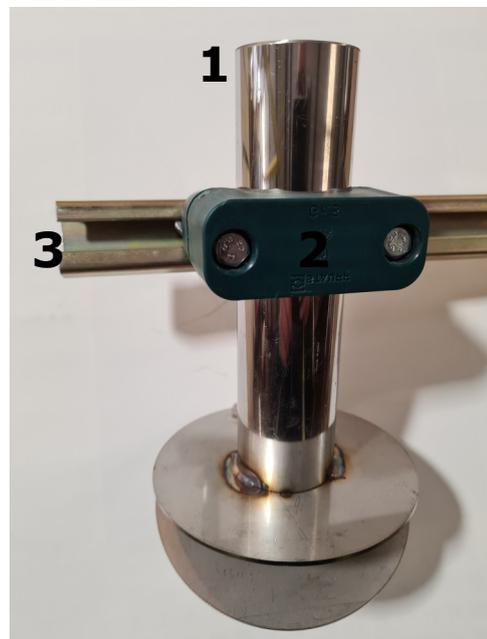
An Add On Unit needs to be mounted to one side of the Maxi Meter Drive Unit and the feed shafts joined.

The Feed Adjuster Assembly then removed and fitted to the Add On unit.

### 12.1 Spreader Plates - Optional

Optional Stainless Steel Spreader plates and PVC Clamp assemblies available.

1. Part Number FS224 Stainless Spreader Plate.
2. Part Number FS223 PVC Clamp Assembly.
3. Part Number FS150 "C" Rail" \*Support Bar.  
(\*plated Mild Steel supplied in 2m lengths).

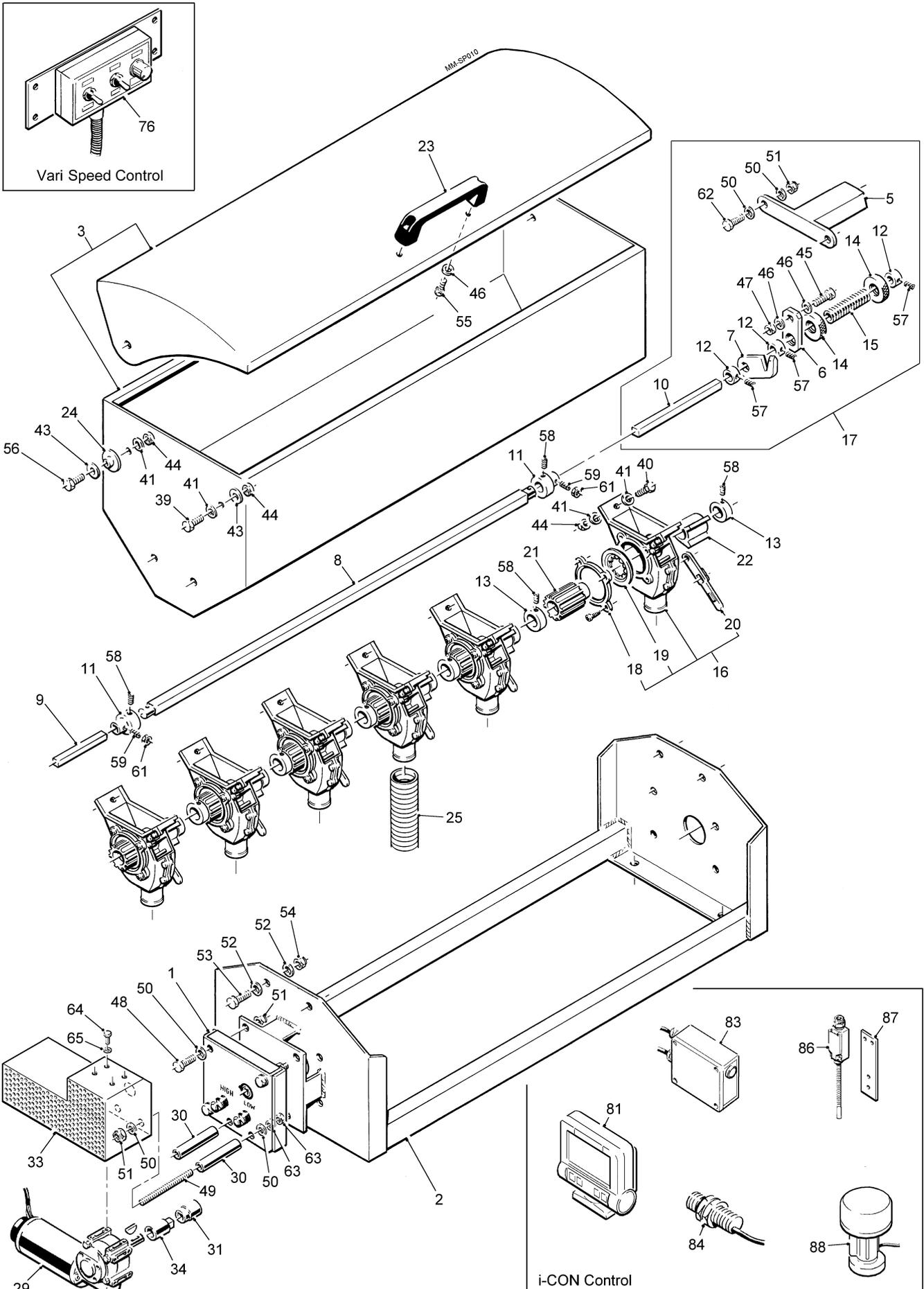


The spreader plates and clamps can be slid into position along the "C" section mounting rail and then locked into position using the integral bolts at the planned spacing.

**NOTE:** If using spreader plates ensure they are not positioned close behind the tractor wheels, roller or discs where wet soil can be thrown up into the spreader plates and cause blockages.

**Please contact your local Stocks Ag dealer for any additional components needed.**

# 13.0 Maxi Meter Parts Drawing



# 13.1 Maxi Meter Parts List Page 1

Item	Part #	Description	Qty	Remarks
1	MM002G	Gearbox Complete	1	Not supplied with Add On Units
2	FS200A	Chassis	1	
3	FS210A	Hopper c/w Lid	1	
5	FS115-1	Adjuster Bracket	1	Not supplied with Add On Units
6	FS119	Adjuster Plate	1	Not supplied with Add On Units
7	FS114	Pointer	1	Not supplied with Add On Units
8	FS110	Feed Drive Shaft	1	Not supplied with Add On Units
9	FS112	Adaptor Shaft (short)	1	
10	FS113	Adaptor Shaft (long)	1	Not supplied with Add On Units
11	FS109	Shaft Adaptor	2	1 per Add On Units
12	MM517	Locking Collar (small)	3	Not supplied with Add On Units
13	FS108	Locking Collar (large)	11	
14	FS117	Knurled Adjuster Wheel	2	Not supplied with Add On Units
15	FS116-Ass.	Threaded Adjuster	1	Not supplied with Add On Units
16	FS100	Feed Cup Complete	6	
17	FS115-Ass.	Feed Adjuster Assembly	1	Not supplied with Add On Units
18	FS098	Side Plate	6	
19	FS099	Star Washer	6	
20	FS097	Lever	6	
21	FS101	Feed Roller	6	
22	FS102	Feed Cut-Off Sleeve	6	
23	FS103	Bridge Handle	1	
24	FS104	Top Hat Washer	2	
25	FS222	Ø40mm Bore Hose	9m	
29	TJ044B	Feed Motor - i-CON	1	
30	MM047	Motor Mounting Bush	2	
31	MM048	Drive Socket	1	
33	MM055A	Metering Motor Guard	1	
34	TJ043	Motor Coupling	1	
39	M6-004	M6x16 Hex Head Setscrew	5	
40	M6-006	M6x20 Button Head Setscrew	12	
41	M6-015	M6 Flat Washer	32	
43	M6-018	M6 Repair Washer	4	
44	M6-023	M6 Nyloc Nut	16	
45	M8-003	M8x20 Hex Head Setscrew	1	
46	M8-010	M8 Flat Washer	4	
48	M10-009	M10 x 40 Hex Head Set	3	
49	N/A	M10 Threaded Bar	2	140mm long
50	M10-016	M10 Washer	4	
51	M10 -022	M10 Nylock Nut	2	
52	M12-008	M12 Flat Washer	8	
53	M12-002	M12x25 Hex Head Setscrew	4	
54	M12-014	M12 Nyloc Nut	4	
55	M8-001	M8x16 Hex Head Setscrew	2	
56	M6-005	M6x20 Hex Head Setscrew	4	
57	FJ008A	M6x6 Grub Screw	3	

## 13.2 Maxi Meter Parts List Page 2

Item	Part #	Description	Qty	Remarks
58	M6-031	M6x12 Grub Screw	13	
59	M6-032	M6x16 Grub Screw	2	
60				
61	M6-021	M6 Nut	2	
62	M10-004	M10x25 Setscrew	2	
63	M10-022	M10 Nylock Nut	4	
64	M5-011	M5 x 20 Hex Head Set	4	
65	M5-014	M5 Flat Washer	4	
		<b>Vari Speed Control Components</b>		
76	GA115B	Vari Speed Cab Control Box	1	
77	MM107B	Vari Speed 3.5m Power Cable	1	Not Shown
78	MM108	Vari Speed 6m Connector Cable	1	Not Shown
		<b>i-CON Control Components</b>		
81	TJ117C	i-CON Cab Control Box	1	
82	TJ118C	i-CON Power Cable for Cab Box	1	Not Shown
83	TJ119C	i-CON Junction Box	1	
84	TJ251A	i-CON Hopper Level Sensor	1	
85	MM107C	7m Fused Battery Connector Cable	1	Not Shown
86	TJ252	Automatic Cut-out Switch	1	
87	TJ253	Switch Mounting plate	1	
88	TJ255B	GPS Receiver	1	
89	TJ235	Instrument Mount	1	Not Shown

