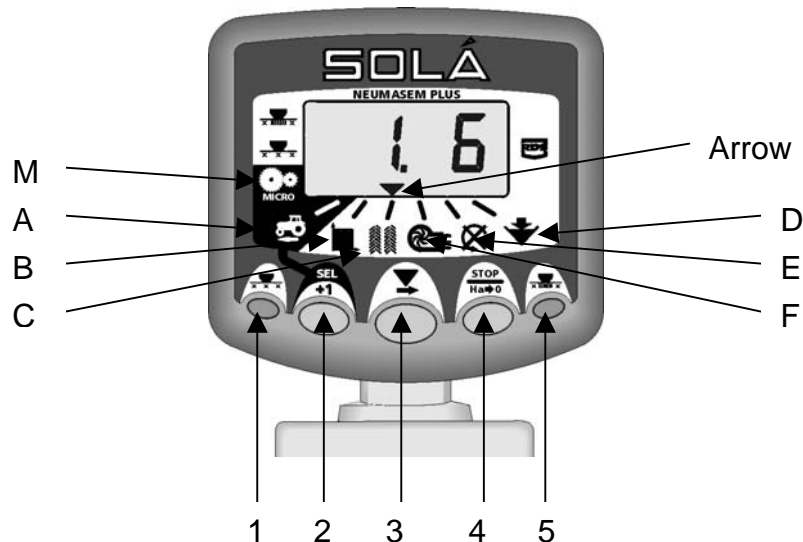


# Quick Guide to Solatronic Drill Control Unit



Each function of the control box is described below. Solid text refers to normal operation and italic text refers to the set up process. All buttons are numbered in accordance with the diagram above.

## Forward Speed (A)

Use the  $\nabla$  button (3) to move the arrow to forward speed (A). The display now reads the current forward speed of the drill.

*Pressing and holding the +1 button (2) reveals the speed factor number for the drill. For A 4m00 drill this is 5.550 , for 4m50 is 4.800 , for 4m80/5m00 is 4.430 and for 6m00 is 3.840. This can be altered by at the same time pressing the  $\nabla$  button (3). ( or check in field using the Auto Test facility)*

## Area Meter (B)

Use the  $\nabla$  button (3) to move the arrow to area meter (B) The display now reads the area drilled since it was last reset. This can be reset by pressing and holding the Ha>0 Button (2) The display flashes and beeps 10 times before resetting. To view the second area meter press the +1 button (1) Area 2 can be reset in the same way.

*Pressing and holding the +1 button (1) reveals the width of the drill, this can be altered by at the same time pressing the  $\nabla$  button (3).*

## Tramline (C)

Use the  $\nabla$  button (3) to move the arrow to tramline (C) The display now shows 2 digits. The right hand digit is the number of bouts in the sequence and the left digit is the current bout. The current bout can be advanced using the +1 button (2) or stopped from counting by pressing Stop button (4).

*Pressing and holding +1 button (1) reveals the tramline system (usually SY symmetrical) and the number of bouts in the system (24m system 3m drill = 8) This can be altered by at the same time pressing the  $\nabla$  button (3).*

## Fan Speed (F)

Use the  $\nabla$  button (3) to move the arrow to fan speed (D) The display now shows the current fan speed.

*Pressing and holding the +1 button (2) reveals the minimum fan speed for the alarm, this can be altered by at the same time pressing the  $\nabla$  button (3). The default minimum fan speed setting is 2700rpm for all seed types.*

## **Hopper Contents (D)**

Use the √ button (3) to move the arrow to hopper contents (D)

*Pressing and holding the +1 button (2) reveals 1 if the hopper level alarm is switched on or 0 if the alarm is switched off. The alarm can be switched on or off by at the same time pressing the √ button (3)*

## **Micro Metering (M)**

When sowing small seeds e.g rape, grass, linseed etc. it is necessary to set the metering unit on the drill to "Micro metering" (see page 22). In addition use the √ button to move the arrow to forward speed (A). Press and hold the +1 button for 3 seconds and an arrow is highlighted at micro metering symbol (M). Press and hold for 3 seconds again to return to the normal metering setting.

## **Program Mode**

In order to enter program mode disconnect power to the control box, press and hold button 2 and keep pressed while switching on the power supply. The +1 button (2) is now used to move the arrow and the √ button (3) used to change the display.

## **Forward speed (A)**

The display shows 1 for On or 0 for Off. Should always be on.

## **Area meter (B)**

The display shows a non re-settable area meter

## **Tramline Function (C)**

The display shows 1 for Tramline On or 0 for Tramline Off

## **Fan speed (F)**

This display shows the pulses/rev of the fan. Set to 2.000 (air drills) or set to 0.000 (box drills)

## **Seed Shaft (E)**

This display shows the pulses/rev of the seedshaft. Should always be set at 1.000

Switch off the power and switch on again to return to the normal display

## **Auto test for Speed Factor Number**

If the forward speed and area meter are found to be incorrect then an auto test can be carried out. Before commencing ensure sowing width of drill is set correctly.

- a) Measure a 100m run in the field.
- b) Park at the first marker with the machine in work. Use the √ button (3) to move the arrow forward speed (A) . Now press and hold the +1 button (2). The speed factor number is now displayed. While still holding the +1 button (1) also press the stop button (4). AUTO is now displayed.
- c) Drive the 100 metres and stop. A total number of pulses will now be displayed.
- d) This number multiplied by two, then divided by the drill sowing width (m) will give the exact number of turns of the calibration handle required for the drill.
- e) Press the stop button (4) to automatically set the new speed factor number.