

1. DESCRIPTION OF WINTEX CONTROL SYSTEM



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|---------------------------|----------------------|
| 1: Extra rotation | 8: Programme process |
| 2: Up / plus | 9: Split mode |
| 3: Preset depth | 10: Down / minus |
| 4: Escape | 11: Menu / ENTER |
| 5: Reset | 12: Sample mode |
| 6: Probe up / down + STOP | 13: Manual override |
| 7: Foot up / down + STOP | 14: Rotation + STOP |
| | 15: START + HOME |

2. CONNECTION AND START UP

Connect the control system to 12 V DC as indicated on the cables. The system needs a 10-amp fuse which must be connected to the battery as close as possible.

At the start up the display shortly shows the version of the software, and then automatically moves on to the start display. The display then shows the depths which are preset from the factory:

- WINTEX 1000s: at 30 cm
- WINTEX 2000: at 30 and 60 cm
- WINTEX 3000: at 30, 60 and 90 cm



The second row of the display shows the activated mode of operation. If the soil sampler is resting in "HOME" position, the display will show the mode "Ready".

3. SETTINGS: STICKS PER SAMPLE, FOOT PRESSURE, DEPTH

In the "Setup Menu" you can preset and adjust a number of settings. Press "MENU". The display will now show "Setup Menu".



Press "MENU" (enter) to change the following settings:

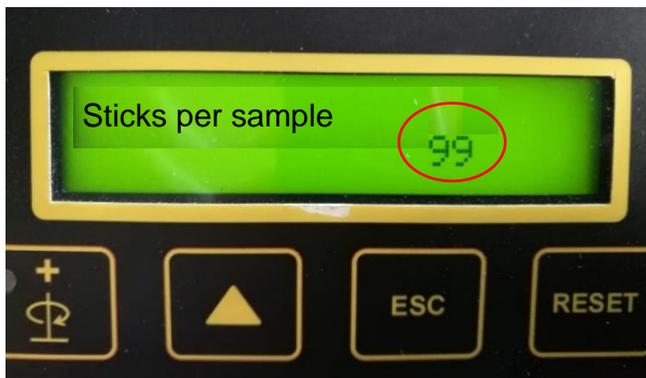
- Sticks per sample
- Foot pressure
- Depth 1, 2 and 3

You can **shift** between settings by using the arrow up and arrow down keys.

The settings can be **adjusted** by holding the "MENU" key down until the number of the display flashes. Then adjust the figure by using the arrow up or the arrow down keys. When you have entered the preferred number, press "MENU" (enter) again, and the setting is saved.

Sticks per sample

You can preset the number of sticks (arrow up for rising the numbers, arrow down for lowering the numbers) for each sample. When the soil sampler has taken the entered amount of sticks, it will not take another sample before you press "RESET". By entering the number 99, you can disable this function, and the soil sampler will keep on sampling.



There is a counter at the bottom on the right which counts the number of sticks in each sample. The counter can be reset to 0 by pressing "RESET". You can get access to this function from the start screen, and then press the arrow down key.



You can also see the total amount of sticks taken. This value cannot be reset.

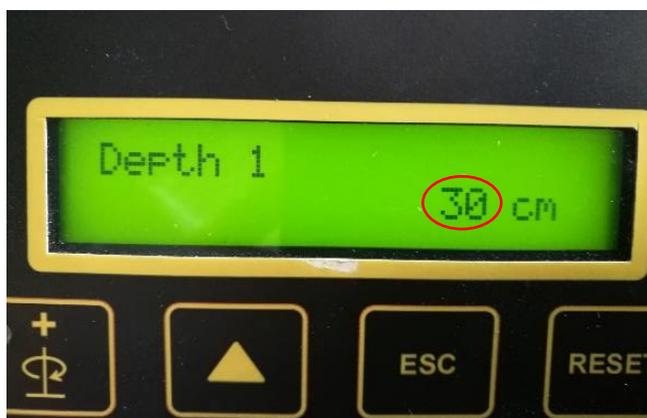


Foot pressure



If necessary, you can adjust the pressure of the foot. Use the **MENU** and arrow keys as mentioned above.

Adjusting the depth



You can adjust the depth in which the soil samples are taken.

Depending on the type of soil sampler, you can adjust the following depths:

- WINTX1000s: depth 1
- WINTEX 2000: depth 1 and dept 2
- WINTEX 3000: depth 1, depth 2 and depth 3.

Adjust the depth by using the **MENU** and arrow keys as mentioned above.

Shift or scroll down to the next depth by using the arrow down key.

4. SETTINGS: SAMPLING FROM ONE OR MORE LAYERS, CHOOSE OF SOIL BOX

Determine number of layers

Press the **"SPLIT MODE"** key to determine the number of the layers.

Depending on the type of soil sampler, it is possible to take samples from one, two or three layers at the same time.



WINTEX 1000s: One number will appear at the top of the display as it only is possible to take a sample from one layer.

WINTEX 2000: Two numbers will appear on the display which means that you will take a sample from two layers. You can also use the WINTEX 2000 to take a sample from just one layer. In this case press **"SPLIT MODE"** until just one number appears on the screen. Use the **"SPLIT MODE"** key to shift between these options.

WINTEX 3000: Three numbers will be shown on the screen meaning that you are about to take a sample from three layers at the same time. With the WINTEX 3000 you do also have the option to take a sample from one or two layers. As mentioned above, use the **"SPLIT MODE"** key to shift between these possibilities (one number on the screen = sampling will happen in one layer, two numbers on the screen = sampling from two layers).

Choose soil box

Choosing to deliver the soil into a specific soil box is an option which you have with the WINTEX 2000 and the WINTEX 3000. Shift between the soil boxes by using the **"BOX 1/2/3"** key.



Soil box right (WINTEX 2000 and 3000)



Soil box left (WINTEX 2000)
Soil box middle (WINTEX 3000)



Soil box left (WINTEX 3000)

5. TAKING THE SAMPLE

When everything is set, stay clear of the soil sampler and flip the “**START / HOME**” switch towards “**START**”. The soil sampler will now take a complete soil sample.

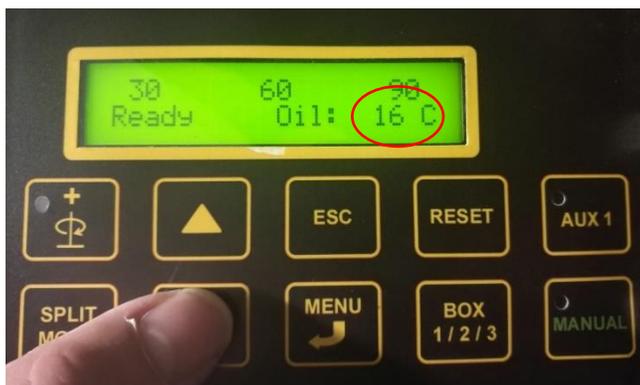


Stop the soil sampler

Should you encounter a problem during sampling, you can either activate the emergency stop, or you can flip any of the switches on the control unit to stop the soil sampler. When flipping the “**START / HOME**” switch to “**HOME**”, the soil sampler will return into the start position.

Oil temperature

If you need to check the oil temperature, go to the start screen and then press the arrow down key until you can see the oil temperature on the display.



7. TEST MENU

By entering the test menu you can see the current

- power supply
- pressure
- depth

You can also monitor and see the control system's

- keys
- switches
- LEDs
- digital inputs
- analog / current inputs
- outputs
- current outputs
- current software version

Enter the test menu by pressing the "MENU" key. The screen will now show "Set up Menu". Press the arrow down key, and the "Test Menu" will appear.



Press "MENU" again, and you will now have access to the above-mentioned content.

You can **shift** between the content by using the arrow up and arrow down keys.

In some cases it seems like you only can see for example one of four (1/4) "pages" on the screen. To view the other "pages", press the "MENU / ENTER" key.





Current power supply, pressure and depth



Monitor keys



Monitor switches



Monitor LEDs



Digital inputs



Analog inputs



Outputs



Current outputs





Software version

