



Changing ultrasonic sensor for Master Pro Touch

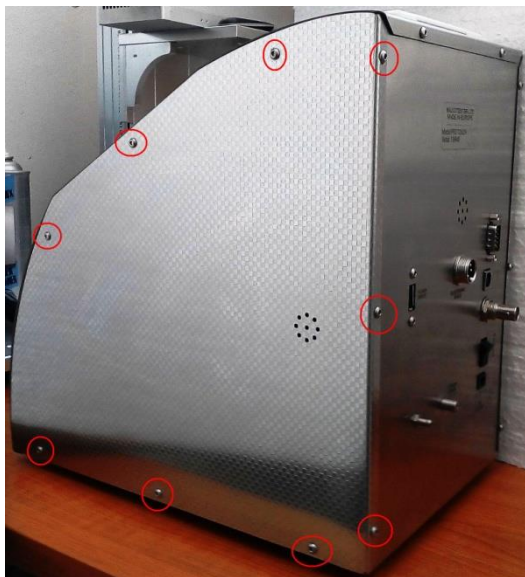
Every milk analyzer from the Master series comes with one calibrated spare ultrasonic sensor. This sensor is also calibrated in our laboratory and

DO NOT NEED CALIBRATION WHEN CHANGED

The process of removing old sensor and replace it with new one is described below.

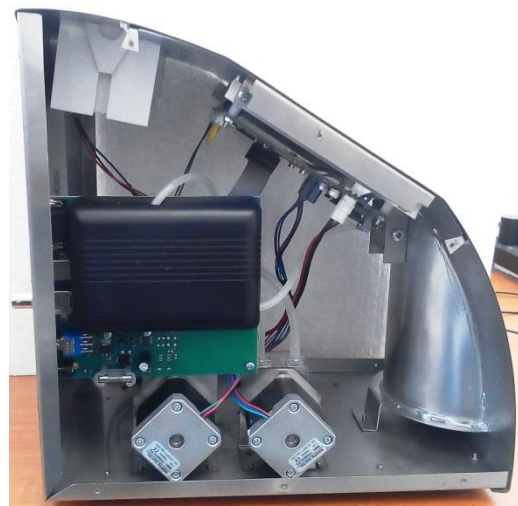
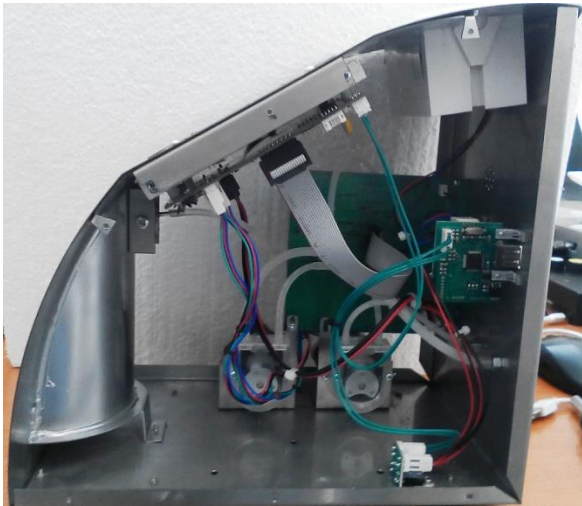
When you need to change the ultrasonic sensor of Master Pro Touch, you first need to open the side covers of the device.

There are six on each side and six on the back. You will need torx screwdriver for 3mm bolts.



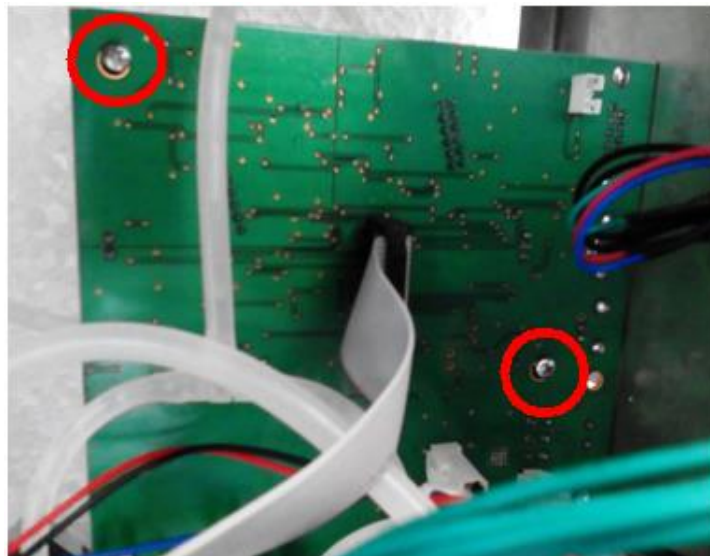
The options of the milk analyzer are not important for the changing of the sensor. It does not matter that the device has two step motors or one, or if there is flash drive, electronic scale or external display.

This is how the analyzer looks when you open the side covers:



Next step is to remove the black plastic box that covers the ultrasonic sensor.

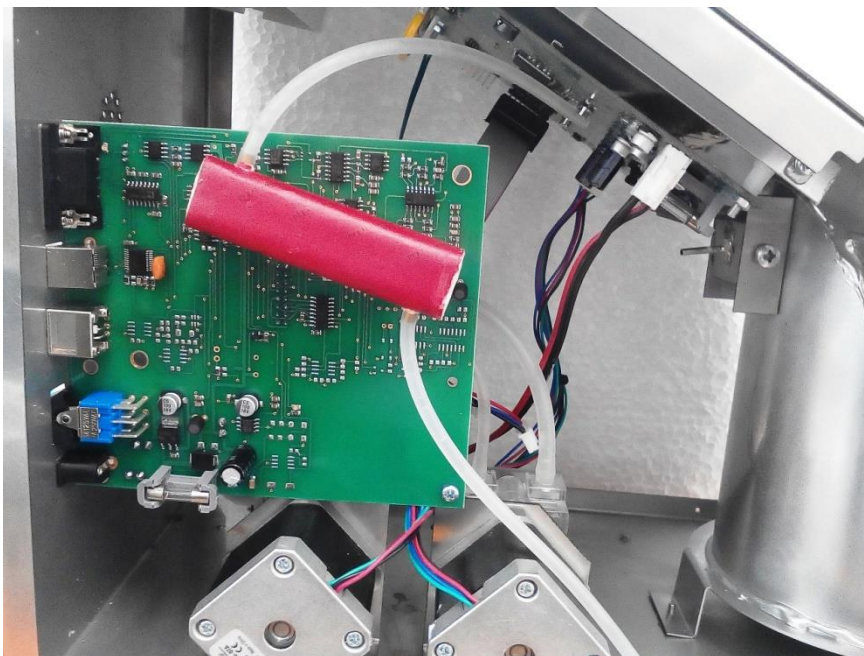
The box has two bolts on the back side that need to be removed.



You also need to unplug the sucking hose of the old ultrasonic sensor that is connected to the sucking pipe of the front of the milk analyzer and to the step motor inside.



When you remove the black box you will see the ultrasonic sensor:

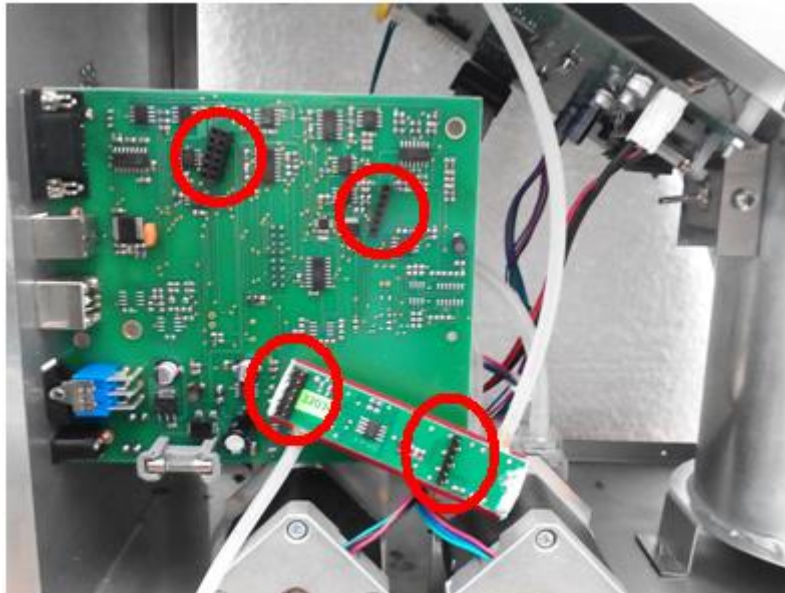


Just pull out the old sensor and place the new one exactly the same way and direction.

ATTENTION: If you displace the connectors of the ultrasonic sensor or you place it the wrong direction

IT WILL MALFUNCTION WITH NO CHANCE OF REPAIR!

There is two set of legs on the left side of the sensor and one set in the right side. It is the same order on the PCB.



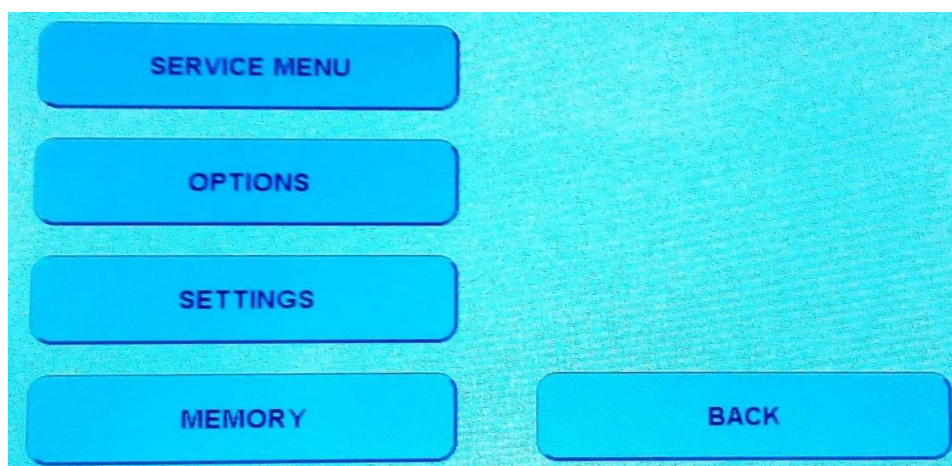
When you put the new sensor in the PCB , mount the black box and connect the hoses back to the sucking pipe and the step motor.

Now turn the device ON and follow the corresponding menu to access to the calibration menu of the milk analyzer.

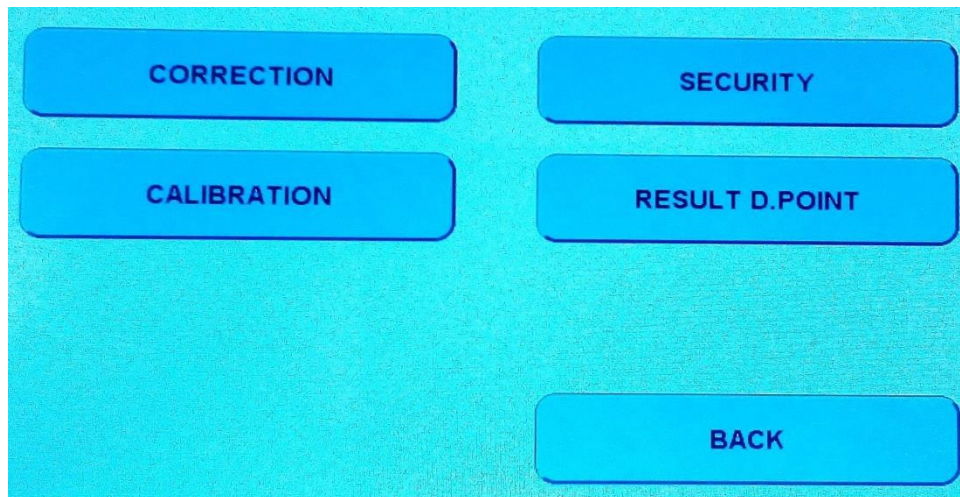
1. MENU



2 .SERVICE MENU



3. CALIBRATION



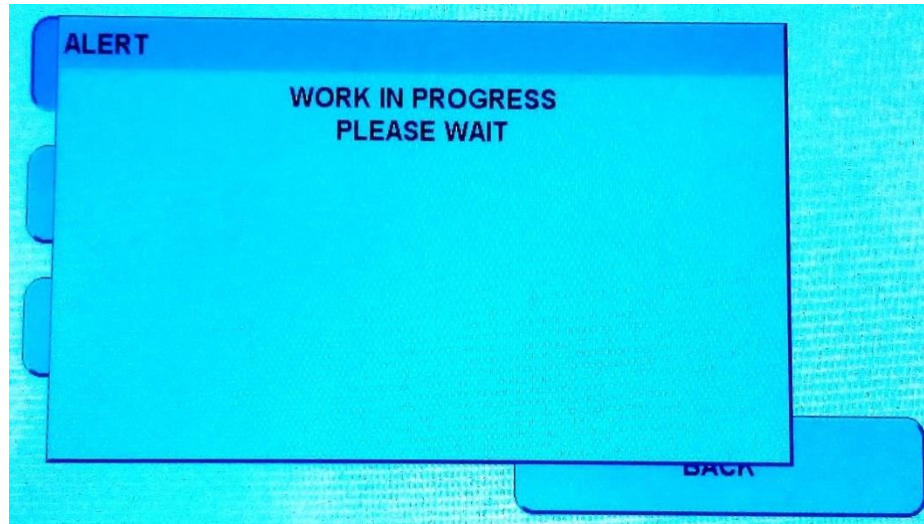
4. RESTORE CALIBRATION



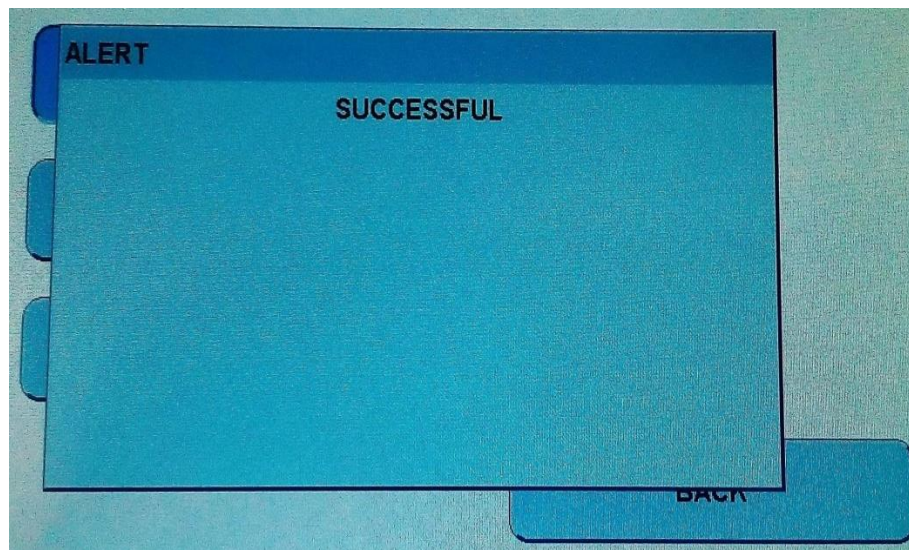
5. CHOOSE THE TYPE OF MILK THAT YOU WANT TO RESTORE AND PRESS ON IT



THE RESTORING OF CALIBRATION IS IN PROGRESS



FINISHED



Now press BACK until you are in the main measuring menu and it is ready for work.