



Preventative Maintenance Guide

Dansensor CheckMate 3 (EC)

Technical Support: 01223 492087
 techsupport@tendringpacific.com

Dansensor Preventative Maintenance Guides help you to care more effectively for your equipment during the time between planned services.
For Safety Instructions, Trouble Shooting & Operation - please refer to the User Guide.

Cleaning and Maintenance

In addition to the Annual Service & Calibration, it is recommended to carry out the following maintenance checks at the interval times stated below.

Every Day:

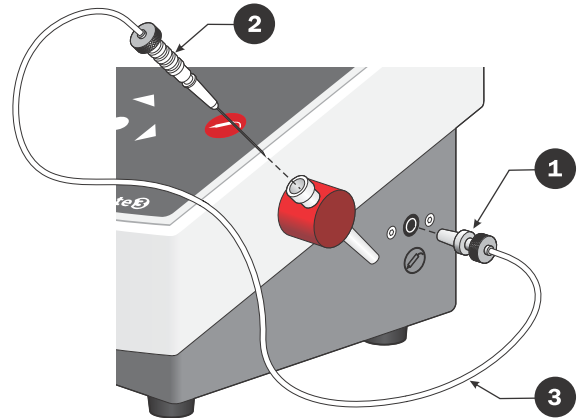
Water Trap Filter and Needle - Check and Replace (as required)

Once a Week:

Sample Hose – Check and Replace (as required)

During use of the device, dust, debris, and moisture may be sucked through the measuring system.

1. The water trap filter will therefore have to be replaced regularly, depending on the environment in which the device is used.
2. The needle may sometimes touch the product being measured, or the needle may suck fluid from the packaging from which the measurement is taken. If this happens, it will be necessary to replace both the needle and the filter.
3. If there is any dirt, or fluid in the sample hose it should be replaced, or cleaned using dry compressed air.



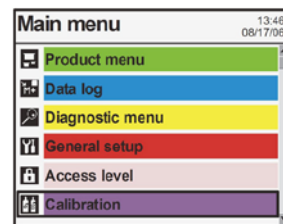
Daily Air Calibrations - Daily offset (20.9% O₂) calibrations can be performed on the CheckMate 3 (EC) version.
 For more information please contact Technical Support. NOTE: ONLY APPLIES TO EC SENSOR VERSIONS.

To see the calibration menu, log into Access level as a supervisor. The standard supervisor passcode is '0000'. Once in the main menu, (Screen 1), use the down arrow key to scroll to the calibration menu. Push the right arrow key to enter.

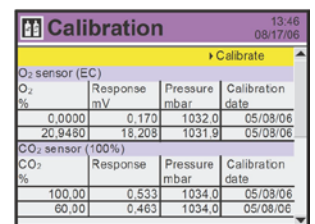
The appearing calibration menu (Screen 2) holds a list of the various sensors in the device. For each sensor there is a table showing the appropriate calibration parameters. To proceed with the calibration, push the right arrow key.

From the next menu (Screen 3), select between the following items: 'Perform calibration' or 'Erase/enter calibration'. Select 'Perform calibration' using the circle enter key.

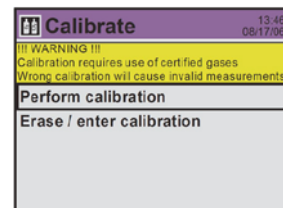
Use the up, or down arrow key to select the calibration value fields for the O₂ sensor (EC), then push the circle enter key.



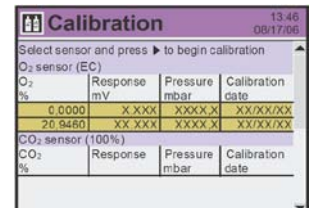
Screen 1



Screen 2



Screen 3



Screen 4

To order consumables please contact Claire Duke on 01223 492086 or email claire.duke@tendringpacific.com





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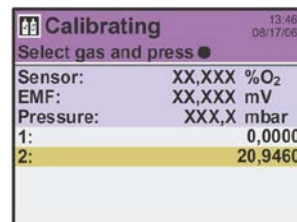
The pump starts and now make sure to expose the needle to atmospheric air. Let the measurement run for approximately five minutes. Select the 20.9460 gas entry from the list and push the circle enter key. (Screen 5)

Next you will be asked to perform the calibration. The existing calibration value will be overwritten. Select 'Yes' then push the circle enter key. (Screen 6)

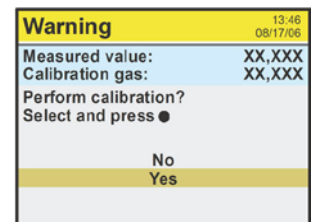
The next screen (Screen 7) shows that the calibration is being executed. When the calibration has finished, the pump stops and the display returns to the sensor menu. (Screen 8).

Note that the fields for the 20.9460% gas has now been updated with the values obtained during calibration. The O₂ sensor (EC) has now been calibrated.

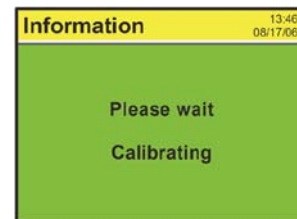
To return to the measuring screen, press the back arrow four times.



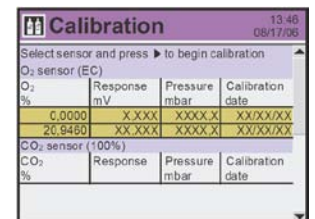
Screen 5



Screen 6



Screen 7



Screen 8

Dansensor CheckMate 3 (EC) Consumable Parts

Consumables Kit	Part No: 300436	Filter water trap kit (10pcs)	Part No: 310335
3 x Septum, 15mm grey soft (1000pcs)		Filter water trap kit (100pcs)	Part No: 310339
5 x Needle kit 0.8mm (10pcs)		Needle kit (10pcs)	Part No: 220078
1 x Hose, sample gas (5pcs)		Needle kit (100pcs)	Part No: 280204
1 x Filter water trap (10pcs)		Needle Pen (10pcs)	Part No: 310781
1 x Sampling kit standard		Septums, grey (1000pcs)	Part No: 310337
Printer Paper, 57mmx25mm (box 20)	Part No: 220076	Septums, grey (10000pcs)	Part No: 220157
Hose, sample gas (5pcs)	Part No: 310677	Sampling kit standard	Part No: 300437

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