



# Preventative Maintenance Guide

## Dansensor LeakPointer II E2

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**

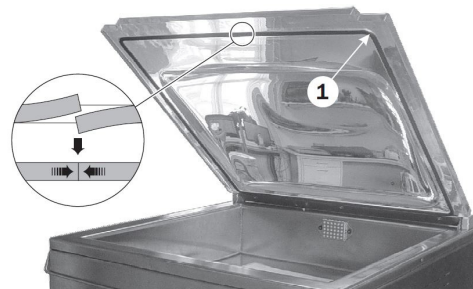
### Cleaning and Maintenance

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

#### Every Day:

Chamber Gasket - Check and Replace (as required)

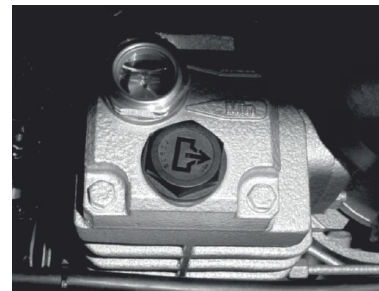
Visually check daily for any damage to the seal. If the seal is damaged, replace and then run a leak test. To replace the chamber gasket, remove the old gasket (1) and mount a new one, making sure that it is properly fitted into the lid's groove. Before putting the gasket ends together, make them overlap slightly to ensure that they press against each other when mounted in the groove (see detail).



#### Once a Week:

Vacuum Pump Oil - Check

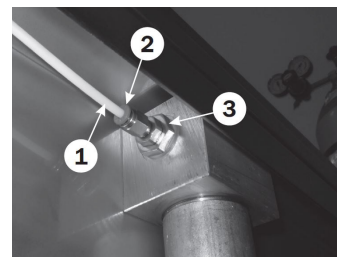
Visually check the oil level once a week, to make sure it is above the minimum level. The oil level must lie between the MIN and MAX level indications on the pump. If the oil is low, or the oil is dark, or cloudy and has been contaminated by intake substances, then the oil must be changed. To change, or top up the oil please call Technical Support for assistance.



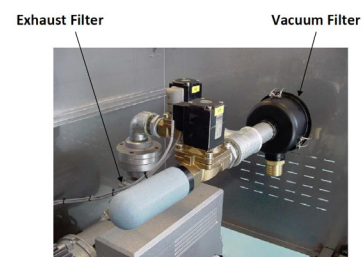
#### Once a Month:

Sample Gas Filter, Exhaust Filter, Vacuum Filter and System Leak Test – Check and Replace (as required)

The sample gas filter is replaced annually at service, but may need to be changed again if dirty. To check, remove the rear panel. Release the sample pump hose (1) by pushing the blue lock ring (2) on the hose fitting. Remove the inner fitting (3) and check the filter. If it is dirty it must be replaced.



The exhaust filter and vacuum filter are both replaced at annual service, but may require replacing if dirty. To check both filters you need to unscrew the back of the unit and then remove the rear cover. For the exhaust filter, check that the filter is a pale blue colour. If not and it is dirty then replace. For the vacuum filter, release the retaining clips to remove the cover and remove the filter to check it is clean. If it is dirty then replace with new.



To order consumables please contact Claire Duke on 01223 492086 or email [claire.duke@tendringpacific.com](mailto:claire.duke@tendringpacific.com)



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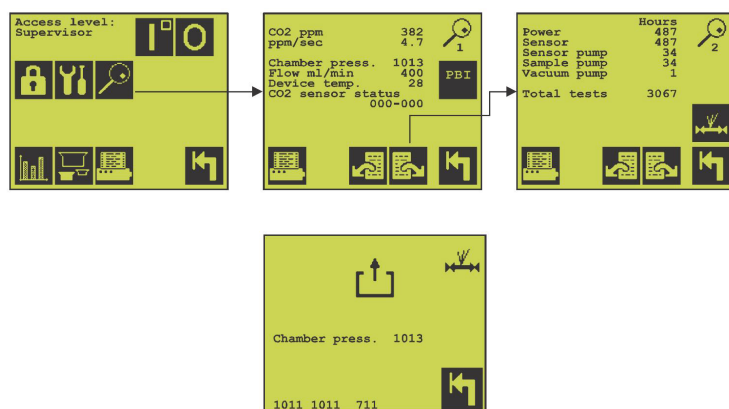
#### System Leak Test:

The system leak test checks the system for leaks, or other defects, which can have a negative influence on the measurements. It can also be used for trouble shooting on the device. To perform a system leak test, follow the steps below.

Firstly, press on the magnifying glass to go into diagnostic menu. Press next page, as shown (right) and then press the pipe icon with gas flowing out. This takes you into the leak test page as shown.

Start the test by closing the test chamber lid. The test will last several minutes, but can be aborted anytime by pressing the back button.

The test results for each test is indicated by a numerical value. The procedure tests the following.



<b>Leak Test 1</b>	Tightness control of test chamber gasket and valves. The test lasts aprox 2.5 min and is performed at an absolute pressure of 700mbar. <b>Obtained value must be &lt; 22</b>
<b>Leak Test 2</b>	Tightness control of test chamber gasket and valves. The test lasts aprox 2.5 min and is performed at an absolute pressure of 300mbar. <b>Obtained value must be &lt; 22</b>
<b>Leak Test 3</b>	Test of sample pump capability. The test can last up to 6 min. <b>Obtained value must be &lt; 32</b>

## Dansensor LeakPointer II E2 Consumable Parts

Chamber Gasket	Part No: 240539	Vacuum Filter	Part No: 310555
Sample Gas Filter	Part No: 310553	Vacuum Pump Oil	Part No: 310539
Exhaust Filter	Part No: 310557		

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