



# Preventative Maintenance Guide

## Dansensor LeakPointer II

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

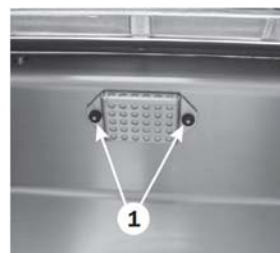
Visually check the oil level, to make sure it is above the minimum level. Remove the rubber stopper (1) from the rear panel, or remove the screws (2). Take care when opening the rear panel, as electrical connections are attached onto it. If necessary, use a torch to check the oil through the vacuum pump's oil sight glass (3). 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. Please call Technical Support for guides.



#### Once a Month:

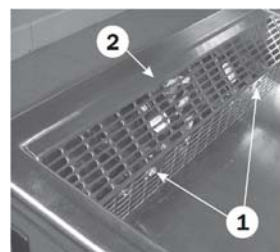
Suction Air Filter, Sample Gas Filter, Fan Filter and System Leak Test – Check and Replace (as required)

The suction air filter is replaced annually at service, but may need to be changed again, if dirty. To check, loosen the two finger screws (1). Check the filter (2) and if dirty replace with new. When inserting a new filter make sure that the coarse side is mounted against the chamber wall.



Suction Air Filter

The sample gas filter is replaced annually at service, but may need to be changed again if dirty. To check, release the screws (1) by turning them ½ a revolution anti-clockwise, while pressing them inwards, then dismount the fan grid (2). Check filter (3) and if dirty unscrew it and replace.



Sample Gas Filter

To order consumables please contact Ann Walker on 01223 495484 or email [ann.walker@tendringpacific.com](mailto:ann.walker@tendringpacific.com)



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#### Once a Month:

The fan filters may also need replacing more often than just annual service. There are two fan filters, one on the side of the unit and one on the underside of the display. To check, remove the grill and look at the filter. If dusty, then replace.



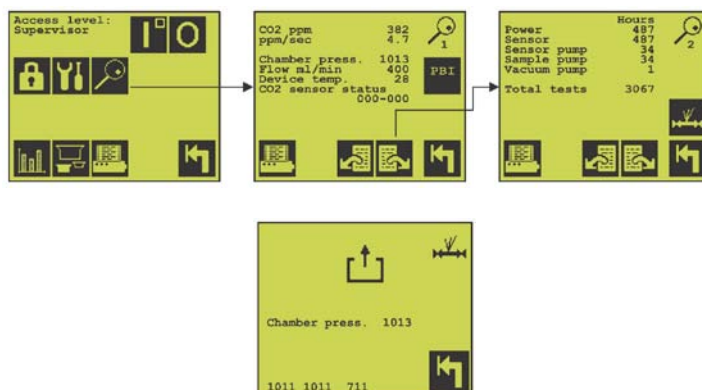
#### System Leak Test:

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:

Press on the magnifying glass to go into diagnostic menu.

Then 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 result for each test is indicated by a numerical value.



The procedure tests the following:

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

### Dansensor LeakPointer II Consumable Parts

Chamber Gasket	Part No: 240208	Fan Filter (10pcs)	Part No: 210648
Suction Air Filter	Part No: 240972	Vacuum Pump Oil	Part No: 330126
Sample Gas Filter	Part No: 310553		

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