

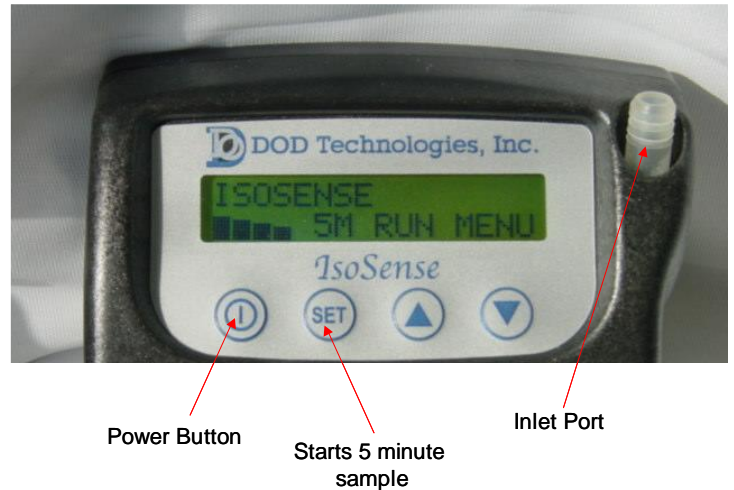
IsoSense Instruction Manual Supplement – Rev 4 , 12-2015

Your *IsoSense* kit is provided with a custom designed pump unit. This pump unit can also be used for a variety of sampling needs. The Pump unit is setup with a 5 minute sample “5M” specifically designed to be used with the provided sample head. For other sampling refer to pump manual.

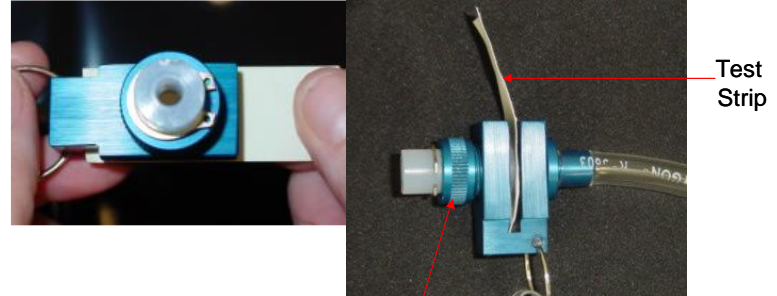
Using the *IsoSense*:

- 1) Connect the sample head tube to the inlet port on the *IsoSense* pump unit.
- 2) Power the unit up by pressing and holding the power button for 2 seconds. If the display to right is not displayed, press the down arrow. This will exit the screen and bring you to the main screen.

The *IsoSense* pump has been preset for 1500cc flow rate and to run for 5 minutes when the “5M” option is used.

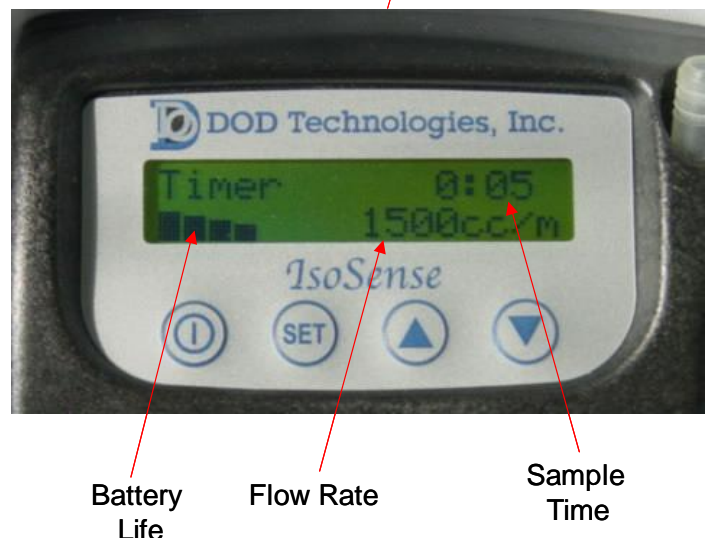


- 3) Loosen clamping nut to attain adequate gap to insert test strip.
- 4) Place test strip in the sample head as shown at right and tighten clamping nut. Avoid handling the portion of the test strip that will be inserted in the sample head.
- 5) Press the “SET” button to start the 5-minute sample. The *IsoSense* pump will display battery life, set flow rate, and the length of the sample. The sample time for TDI & MDI is 5 minutes at a flow rate of 1500 cc's with the test strip installed.



Once the “SET” button is pushed which starts the “5M” (5 minute sample options), the *IsoSense* pump will begin sampling. The sample time will count down from 5 minutes. At the end of 5 minutes, the *IsoSense* pump will stop sampling and power down.

- 6) Once the sample has been completed, loosen the clamping nut and remove the test strip. Place the test strip in the concentration calculator that has been provided. The test strip should be placed



in the concentration calculator behind the color wheel. This will allow for comparison of the stain on the test strip and the color wheel.

- 7) Observe the stained test strip through the calculator window and rotate the color wheel to obtain a color match. Read the number on the color wheel and compare to the table on the back of the Concentration calculator.

For TDI read the concentration on the front of the calculator. If more samples are needed, repeat the process.

CAUTION -DO NOT REUSE TEST STRIPS REGARDLESS IF NO COLOR CHANGE HAS OCCURRED.

CHECKING THE FLOW: Before sampling or on a monthly basis, the flow should be checked with the provided flow meter.

- F1) Connect the flow meter to the sample head as shown on the right.

NOTE: For TDI models connect to flowmeter as shown below

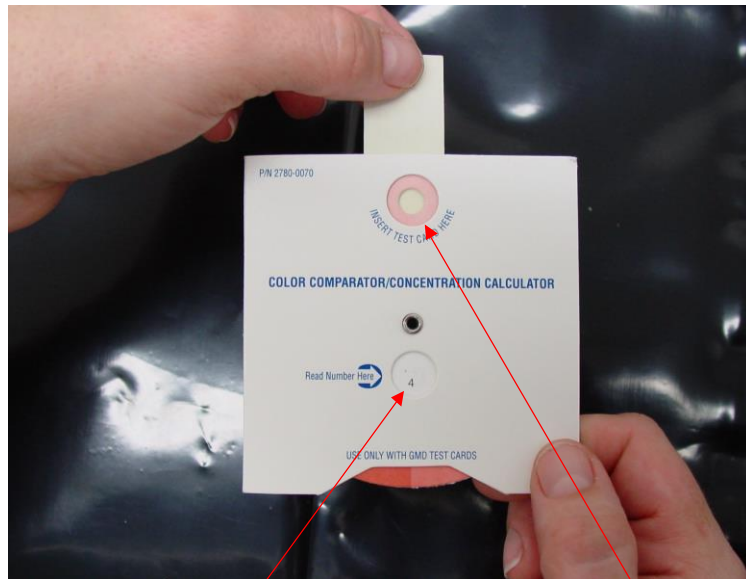
- F2) To check the flow rate, start a sample as you would during normal sampling in step 1 above.. The flow rate should be 1.5 LPM +/- 10% with the center of the ball.

NON – STANDARD TEST: Where the concentration is lower than that provided for in a 5 minute test, the sample time can be modified to obtain a satisfactory measurement.

For low concentrations leave the test strip in the sample head and repeat the 5 minute sample. Remove the test strip and calculate as in a normal sample. The reading observed must be corrected by dividing by 2.

FOR ADDITIONAL INFORMATION & TECHNICAL SUPPORT CONTACT:

DOD Technologies, Inc
675 Industrial Dr.
BLDG. A
Cary, IL 60013



Observe number
and compare to
table on back

Compare color
of test strip to
color wheel

