Section 1 Operation Sequence

1) Connect the blue tube to the Vacuum Port and Port 1 on the test plate/sump lid
2) Connect the red tube to the Gauge Port and Port 2 on the test plate/sump lid
3) Connect clear vent tube to Exhaust Port
4) Connect power supply to the test unit
5) Switch on, vacuum pump will start
6) View the gauge reading, switch off when the needle reaches required setting
7) Monitor the gauge reading, any drop in pressure denotes a leak
8) If a leak is detected, abort test and investigate

Section 2 Time Scale of Test and depth settings

1) Depth Settings - This setting is calculated by measuring the depth of the sump minus one foot
2) The gauge is coded as follows:
   1 ft. Setting = 12 inches, 0.43 psi, or 0.87 in Hg
   2 ft. Setting = 24 inches, 0.87 psi, or 1.77 in Hg
   3 ft. Setting = 36 inches, 1.30 psi, or 2.66 in Hg
   4 ft. Setting = 48 inches, 1.74 psi, or 3.54 in Hg
   5 ft. Setting = 60 inches, 2.15 psi, or 4.45 in Hg

   Note, any setting can be left on test as long as required, but the minimum time is as follows,
   1 ft. 3 min
   2 ft. 4 min
   3 ft. 5 min
   4 ft. 6 min
   5 ft. 7 min

   This time scale will detect a hole/leak path of .008 of a inch, or more

Section 3 Aborted Test due to Leaks

If the vacuum is not held the sump should be investigated using a Leak detection liquid. Bubbles will appear when retesting, Possible leak points are: Pipe/seal interface, Tank sump mounting flange, cracked sump Electrical entries, or Test lid connections.

Section 4 Fault Diagnostics

The Tester can be checked by connecting the gauge port to the vacuum port with a length of tubing. Switch on allowing looped system to pull a vacuum and turn off. Gauge should hold steady if no leak is present.

Section 5 Maintenance of Equipment

Every 12 months the gauge should be recalibrated. The unit can be sent back to the factory for calibration or to a certified shop. The internal filter checked/replaced and a general inspection of all electrical connections. There is a small charge for this service.

Section 6 Heath and Safety

1) The Tester is for use on fuelling installations [protected against water and dust]
2) Before use, a visual inspection should be made of all electrical connections and any damage caused in transport.
3) Before connecting the Tester to a power source ensure the correct voltage is being supplied. 110v in USA.220v-240v Internationally
4) All State regulations must be observed regarding working in confined spaces.
5) The tester must only be used outside zone 2 area.
6) Only trained personal should operate the Tester.