LEAKTRONICS
ELECTRONIC LEAK DETECTION EQUIPMENT

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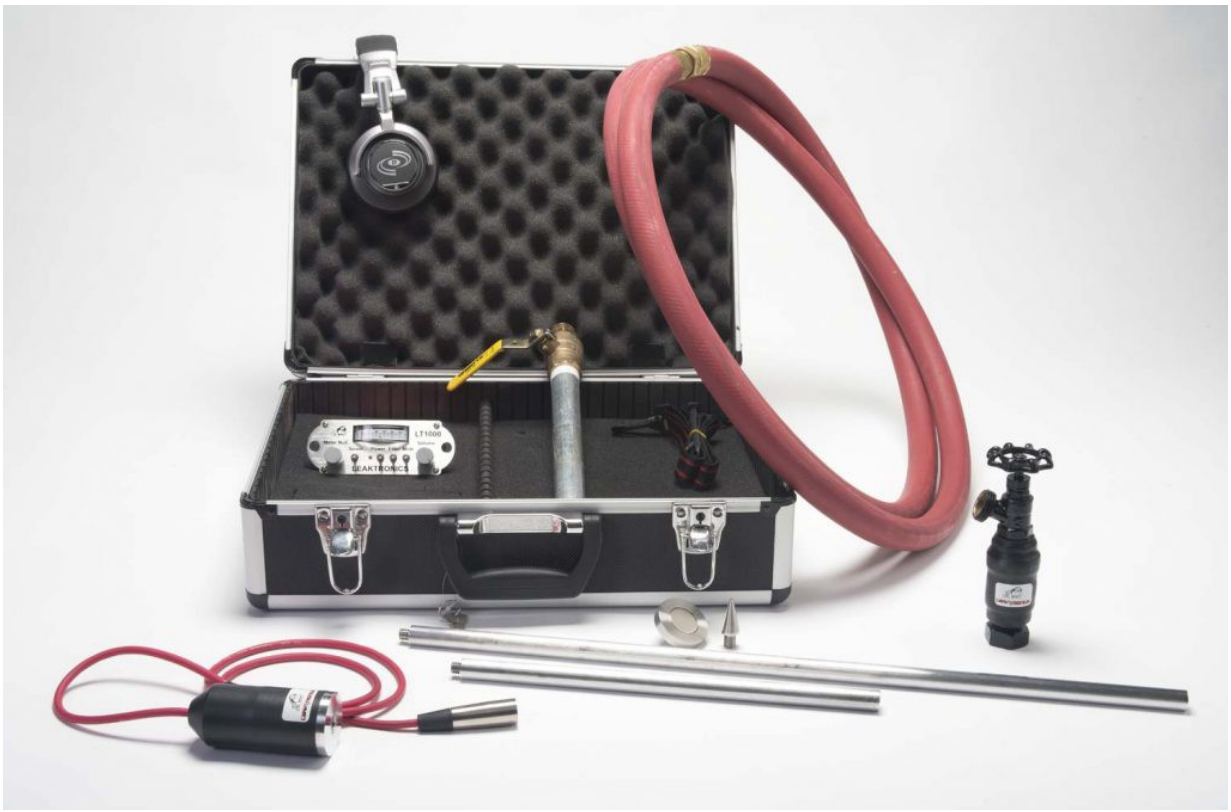
Pulse Generator Operation Manual



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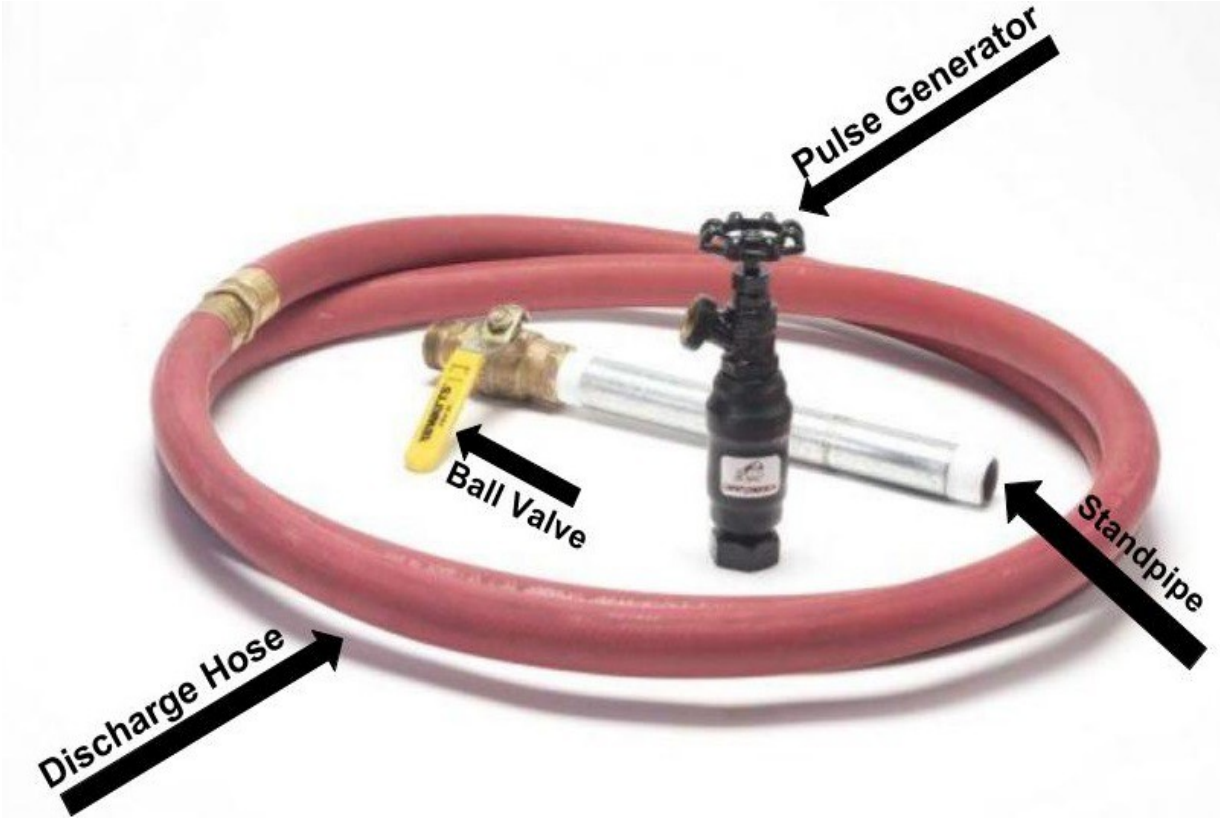
Pulse Generator Components



It is important to check the water pressure making sure it is above 35 P.S.I, before attempting to locate any line. Prior to using The Pulse Generator, any water line accessory (hot water heater, filtration system, softener, solar, etc.) plumbed into line to be located should be either turned off, bypassed, isolated or removed.

1. The Pulse Generator can be connected at hose bibs, sprinkler heads, water meter bases, fire hydrants, and other water sources. Always flush any water containing rust or solid debris before connecting the pulse generator.

2. All Pulse Generator kits come with a ten-foot drain hose that must always be connected for the device to work properly. The end of the hose should be secured to prevent it from moving around abruptly.

3. It is always best to use the ¾ inch standpipe and valve assembly that is included in the Pulse Generator kit. Using all components in the kit is imperative for all applications.

4. Caution: before connecting your Pulse Generator, it is important that you isolate the line being traced from other main lines. This can usually be done by closing valves, or physically separating the lines being tested from other main lines.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Instructions:

1. Connect the Pulse Generator to the top of the stand pipe where the ball valve is located.

2. With the Pulse Generator connected, attach the stand pipe on the line being tested.

3. Attach the waste hose to the Pulse Generator and run it away from the area you are working in. It is important to weigh down the waste hose to keep it from moving around abruptly.

4. Turn the red handle (gate valve) on the top of the Pulse Generator clockwise about five full turns.

5. Using the ball valve on the stand pipe, open the handle approximately half way and let the water run through the Pulse Generator.

6. Begin turning the red handle (gate valve) on the Pulse Generator slowly counter clockwise until the unit start pulsing.

7. Depending on the outcome of your pulse, adjust the ball valve. The ball valve allows the user to control the amount of water flowing through to the Pulse Valve.

8. The slower the pulse, the clearer and further the operator can listen. Best results are achieved by generating the slowest possible pulse. Because higher water pressures create the fastest pulse rates, it is best to dial down flow with the ball valve and control pulse with the valve on the pulse generator.

9. It might be necessary to adjust the Pulse Generator every couple of minutes due to variations in water pressure.