



Connection of the GasTracker™ transmitter

1. Connecting the resonator tank to the network.

- **Disconnect a customer's meter** with all the safety procedures required for this operation.
(Or find an access point anywhere on the network).
- **Affix the resonator tank** to the pipe end thanks to the proper adaptor.
- Check to ensure the purge valve is open (on the resonator tank).
- **Slowly open the gas valve** and check there are no leaks on the pipe.
- Using the purge valve of the resonator tank, remove the air out of it totally.
(Keep the purge valve open about 5 seconds)
- Close the purge valve on the resonator tank.
- **Open your gas network valve, and check it is done widely open.**

2. Connecting the transmitter and starting it.

- **Plug the orange cord from the transmitter to the resonator tank.**
- Press the 'on' button.

You should now hear the noise of the signal!

Tips

For safety reasons, always make sure the joints are gas tight, and there are no leaks. As a vibration is sent, the more compact the soil, the better the values you can expect

You may sometimes hear a rattling noise inside the resonator tank. This is normal All around the transmitter, the signal generated will be so powerful you may have difficulties locating the pipe at the starting point.

We recommend moving a few feet, away from the transmitter before starting a locate campaign.

The resonator tank can be plugged in any direction, upside down, horizontally etc.

ATTENTION: ALWAYS OPEN AND CLOSE NETWORK AND PURGE VALVE SLOWLY TO AVOID DAMAGING THE MEMBRANE INSIDE THE RESONATOR TANK.

Repeated shocks due to pressure on the membrane may break it.



3. To stop the transmitter

- Switch off the transmitter, and disconnect the orange cord from the resonator tank.
- Close the network valve, and slowly purge the gas out of the resonator tank.
- Unplug the resonator tank.
- Reconnect your customer using all the safety procedures your company requires.

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The GasTracker™ receiver

Step 1 : Prelocate mode

Use Prelocate mode to quickly identify the area where the pipe is located.

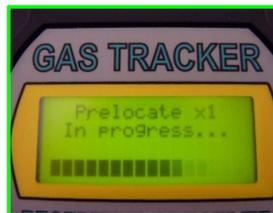
- Press the 'on' button.
- Press 'Prelocate' button.
- Put the listening device where the pipe is supposed to be (or where you think it is)
- Wait two seconds.
- Read the bars on the screen in real time.

In Prelocate mode, you are looking for constant bars.

Constant bars = Constant vibrations = Constant signal sent by the transmitter



Left: A little bit of signal, try somewhere else !



Right: A lot of constant signal ! Switch to Pin-point now.

As distance increases, the signal will decrease. **Once the signal is low, you will switch to 'Gain 10' to have a better sensitivity**, and have a better signal.

IMPORTANT: Depending on the soil compaction, it is sometimes necessary to immediately switch to gain 10, even few meter, or feet, away from the transmitter. It is all about compaction of the ground.

If you are working over a hard surface like concrete, asphalt, etc., just put the listening device on the ground.

If you are working over a soft surface like grass or earth, we recommend pushing with your foot the listening device in the ground. Push until you reach hard enough soil.



Step 2 : Pin-point mode

In this mode, you will identify the exact location of the pipe.

- Press 'Pin-Point' button (if you were in Prelocate mode).
- Wait about 12 seconds.
- Read the value on the screen.

Results will be displayed as percentages. Note that the receiver also displays the history of the last five values calculated.

You are not looking for 100% of signal. You are looking for the highest value measurable.

ATTENTION: All results under 20% are too low to be coming from the pipe.

These low values are of no interest to you.

Results from 20% to 40% are considered mediocre.

Results from 40% to 70% are considered good.

Results from 70% to 99% are excellent.