



Fines, Legal liabilities,
Accidents, Explosions,
Bad injuries, Fatalities,
Unnecessary diggings,
Inaccurate excavations,
Downtime, AVOID THAT !

Equipment to Trace and Locate buried plastic Gas Pipes



GAS TRACKER™

Made

Electrical, Gas, and Safety

APPLICATION

GAS TRACKER™ equipment is a system for Tracing and Identifying buried gas pipes made of polyethylene.

The method used is based on the propagation of a complex acoustic wave. Thanks to the application-specific sensor and signal analysis software, it is able to trace the position and direction of a buried plastic pipe from the surface.

WHY ?

Generally out-dated maps are used to locate existing gas lines. The GAS TRACKER™ was developed to provide an easier, more efficient means to locate pipes resulting in a savings of time and money.

It is manufactured in France and has been validated by the French group GDF (Gaz De France).

This unique signal injection method is internationally patented.

DESCRIPTION

GAS TRACKER™ has two components :

- A Transmitter with a «resonator» connected to a standard meter box. Three specific types of signal can be sent, and are propagated through the gas, making the pipe vibrate, which in turn makes vibrations in the surrounding ground.

This Transmitter is easy to install on a standard meter box.

- A Receiver, using a «ground microphone» placed on the ground and connected to a receiving interface that displays the results.

During the signal acquisition, a « bar graph » shows the ambient signal level. After calculation, the hand-held display indicates the level of the transmitted signal.

The GAS TRACKER™ is operational in urban environments even with the associated ambient noise (cars, crowd, street noise etc.).



TECHNICAL SPECIFICATIONS

GAS TRACKER™ Transmitter is mounted in shockproof and insulated ABS carrying cases, waterproof (IP65). It includes a battery pack, which gives an operating time of approximately 4 hrs. **The GAS TRACKER™ can run from the mains (110/230 V ~ 50/60 Hz) or from a vehicle cigar lighter socket (12V DC, 4 Amps max).**

Normal operation pressure: up to approx. 165 psi / 11 bars, connection: Ø 0.6 in (15 mm) and Ø 1.3 in (32 mm).

The Receiver is supplied in a carrying case like the Transmitter. It is composed of a detection module connected to a hand-held terminal with a display. Receiver's battery is charged through the Transmitter's.

	TRANSMITTER	HAND-HELD	DETECTION TRANSDUCER
SUPPLY	<ul style="list-style-type: none"> - Internal accumulators - Autonomy : approx. 5 h - By cable for connection with a cigar lighter socket or battery 12 V - Recharged by 110/230 V mains cable 	<ul style="list-style-type: none"> - Internal rechargeable batteries autonomy : approx. 5 h - Recharged from the Transmitter 	<ul style="list-style-type: none"> - Supplied by the hand-held Receiver
DIMENSIONS	14.2 x 15.8 x 7.87 inches 360 x 400 x 200 mm	4.3 x 13 x 1.8 inches 110 x 330 x 45 mm	Ø : 6.1 inches H : 4.3 inches Ø : 155 mm H : 110 mm
		Receiver case : 14.2 x 21.6 x 9.5 inches 360 x 550 x 240 mm	
WEIGHT	Transmitter case with accessories : 29 lb / 13 kg Resonator : 10 lb / 4.6 kg	1.8 lb / 0.8 kg	2 lb / 0.9 kg
		Receiver case with accessories : 29 lb / 13 kg	
TEMPERATURE RANGE	32°F to + 104°F / 0°C to +40°C		

Normalization : GAS TRACKER™ is **CE** marked. (European Union Standard)
Standards applied : NF EN 61 000-6-3 & NF EN 61 000-6-1

From now on, save time and money when seeking buried plastic gas pipes!

Gas pipe pinpointing in Paris, FRANCE

Demonstration in London, UNITED KINGDOM



Frequently Asked Questions about the GAS TRACKER™

Q. How accurate is it ? Can we dig on it ?

A. Yes. Actually, when you are in the Pin-Pointing mode, you are going to detect the highest level of signal on the road. By doing this at several points, you will trace an **'average line'**, that will be the closest to your pipe (not to say just over).

Q. Is the GAS TRACKER the only tool I need to locate gas pipes ?

A. No. The GAS TRACKER™ is one tool in your tool box, but this is the only one you will need to find plastic gas pipes ... For instance, it is very complementary with radar technologies that will work with difficulties on clay but will be a perfect condition for the GAS TRACKER™.

Q. Does it work on sheath pipes ?

A. No. You really need a compact soil to transmit your signal to the surface. If your service is in a conduit, you will lose it quickly. But you will be able to trace it from the main for a short distance (at least you will know where the connection main/service is).

Q. Are there possible safety issues working with the Transmitter close to the gas meter box ?

A. No. Our Transmitter has been designed to work safely near a meter box. So even in the case of a small gas leak, no sparkles due to the GAS TRACKER™ may appear, and there is



Q. Is it weatherproof ?

A. Yes, the GAS TRACKER is IP65, it can be used in rainy conditions.

Q. Do you need to disconnect the customer's meter ?

A. Yes, the Resonator attaches to the service at the meter connection . But a location & pinpointing campaign is quite quick.

Q. How far can I locate from the Resonator ?

A. Depending on soil compaction, you can locate up-wards to 1,500 feet..

Q. May the signal be propagated through another pipe ? (In the case they touch each other on a small distance)

A. NO! We use an acoustic wave that vibrates just the gas connected to the Resonator.

Q. What is the maximum gas pressure the Resonator will work under ?

A. 11 bars, approximately 165 psi.

Demonstration in Vineland, NJ, USA

A demonstration ? A one-week loan ?*

A customer testimony ?

Contact your local dealer :

** If possible, but not guaranteed, please call your local dealer first.*

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S.A. au capital de 270 **130 €**

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