PIPECHECK 2

WATER PIPE VERIFIER

INTRODUCTION

Pipecheck 2 is a simple-to-operate hand-held instrument, which will positively identify pipes filled with water. Pipecheck 2 is designed to address the major identification problem experienced by engineers engaged mostly in the water and gas service industries when old cast or spun iron pipes are exposed. Often it is extremely difficult to tell whether or not these pipes contain water until they are broached. Mistaken identification is potentially unsafe and may be extremely costly to rectify.

APPLICATION

TWO EXTRA MINUTES. THAT'S ALL IT TAKES TO USE PIPECHECK 2.

1. Load the vehicle.
2. Drive to the site.
3. Locate the excavation area.
4. Place the warning signs.
5. Erect the safety barriers.
6. Safely make the excavation.
7. Find the pipe or pipes.
8. **USE PIPECHECK 2.**
9. Complete the job to plan.

HOW DOES IT WORK?

Pipecheck 2 uses ultrasound to indicate that a pipe contains water. The pipe is cleaned by removal of all external soil and loosely adhering rust. A coupling gel, which allows transmission of sound from the instrument to the pipe wall, is applied.

When the instrument detects a full water pipe a green light and audible sounder are activated. This can only occur when certain electronic criteria are satisfied within Pipecheck 2. Otherwise a red light shows.

Pipecheck 2 is an important tool which can clearly indicate that a pipe contains water. The nature of internal corrosion and tuberculation, present in water pipes, recommends that the instrument is used several times on the same pipe. One green light amongst several red lights identifies a water pipe. Numerous red lights only, suggest a gas pipe, a “dead” pipe, a telecom trunking, a cable duct, or a heavily corroded and constricted water pipe.

Pipecheck 2 generates ultrasound which travels readily in water. When its probe is in contact with a pipe, an ultrasonic signal is transmitted into the pipe wall. This causes a series of standing echoes to develop. If the pipe is full of water, and certain criteria are satisfied, a fraction of the ultrasound will travel across the internal diameter of the pipe and return, by the same path, to the Pipecheck 2. This triggers the water response.

If the pipe contains gas, whether natural gas or air, or other contents the sound remains within the pipe wall and the red light is triggered. (the sound does not travel within the pipe).

Similarly, if the pipe contains water, but is heavily corroded and/or is heavily tuberculated, then the red light may trigger. For this reason it is recommended that a pipe is tested several times in different places, and if a water response is achieved and repeated, it can be relied upon.

The original Pipecheck, upon which Pipecheck2 is based, has been used successfully in the UK Gas and Water Industries for several years.

SPECIFICATION

Pipe Diameter Range:	90-330mm (3.5 to 13”).
Wall Thickness Range:	5-25mm (0.20 to 1 inch)
Pipe Materials:	Steel, Cast Iron, Plastic.
Pipe Linings:	Plastic and Concrete (if both are well bonded).
Power Supply:	PP39 volt battery (Alkaline type)
Indicators:	Green LED and Audible Sounder for Water. Red LED for Gas, “Dead” pipe, Cable duct, Telecom trunking, or “No” test.

STANDARD KIT

Pipecheck 2 is supplied with:

+ A Fitted Battery
+ Probe with Integral Cable
+ Wire Brush
+ Couplant
+ Operator Handbook
+ Plastic Transit Case
+ Baugh & Weedon Ltd’s comprehensive two year guarantee.

AGENT / DISTRIBUTOR

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