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TECHNICAL DATA SHEET

- DETECTS IRON AND STEEL TARGETS
- EXCELLENT FOR TRACKING BURIED PIPELINES
- WORKS EQUALLY WELL IN SALT, FRESH, OR ON LAND
- AUDIO AND VISUAL READOUTS
- RECHARGEABLE BATTERIES
- 200 FOOT DEPTH RATING
- 2 YEAR WARRANTY

PT-1 Pipe Tracker

JW Fishers has added the PT-1 pipe tracker to its extensive line of metal detectors and cable trackers. This device is a sensitive, pinpointing magnetometer. It works equally well on land, and in fresh or salt water. The PT-1 was specifically designed to locate and track iron and steel pipelines and armored cables, but it will also detect all ferrous (iron/steel) targets buried under any kind of material, including concrete, with no loss in detection range.

The pipe tracker consists of a 3 foot long probe with an electronics box mounted on one end. In the tip of the probe is a sensor that measures changes in the magnetic field. Iron and steel objects create a distortion in the earth's magnetic field, and the pipe tracker detects these changes. The larger the object, the greater the field change. The PT-1 displays these changes with both audio alarm and a visual indicator.

The detector uses modified magnetometer technology to provide good sensitivity with easy pinpointing of targets. Though it does not have the long detection range of more powerful magnetometers, like our Proton 4 and Diver Mag 1, the PT-1 can pinpoint and track pipelines located near steel bridges and metal bulkheads which could be a problem for other magnetometers. The PT-1 not only tracks pipelines and armored cables, but it will also locate anchors, chains, dredge heads, weapons, explosive devices, and any other ferrous metal object within its detection range. Three different sensitivity settings assist the operator in determining the exact location of any target.

The PT-1 Pipe Tracker is powered by internal rechargeable batteries that power the system for 15 hours per charge. Off-the-shelf alkaline batteries can also be used if needed. The battery condition is displayed on the meter and a low battery indicator flashes when batteries need recharging. Underwater and land earphones, AC and DC battery chargers are included. Batteries are easily recharged without removing them from the housing, eliminating any concern over proper resealing.

WARRANTY

The PT-1 Pipe Tracker is covered by Fishers exclusive unconditional 2 year warranty.

EQUALLY SENSITIVE ON LAND OR UNDER WATER

SPECIFICATIONS

SENSITIVITY:
- 31/2" nail ..... 19 in.
- 1/2" x 6" steel rod ..... 22 in.
- 4" x 4" x 1/16" steel plate ..... 25 in.
- 1 gal metal can ..... 48 in.
- 55 gal drum ..... 8-10 ft.
- 4" diameter iron pipeline ..... 8-10 ft.
- Larger targets to a max ..... 16 ft.

DIMENSIONS/WEIGHT: in air/water
- PT-1 ..... 44" L ..... 5 lbs/ 8 oz.
- Probe only ..... 36" x 1 1/4" dia
- Case ..... 7 1/2" L x 5 1/2" W x 4" H
- Shipping Box ..... 8" x 13" W x 50" L ..... 14 lbs.

MATERIALS/COLOR:
- Case ..... High impact urethane/gray
- Probe ..... High impact PVC, aluminum/black

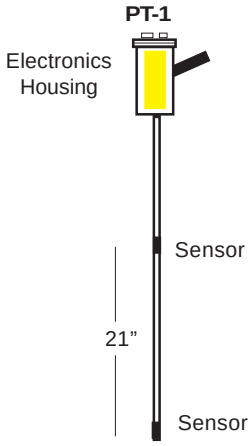
OPTIONS

- Carry and storage case
- 220vac charger transformer (Europe)
- Dual underwater earphones

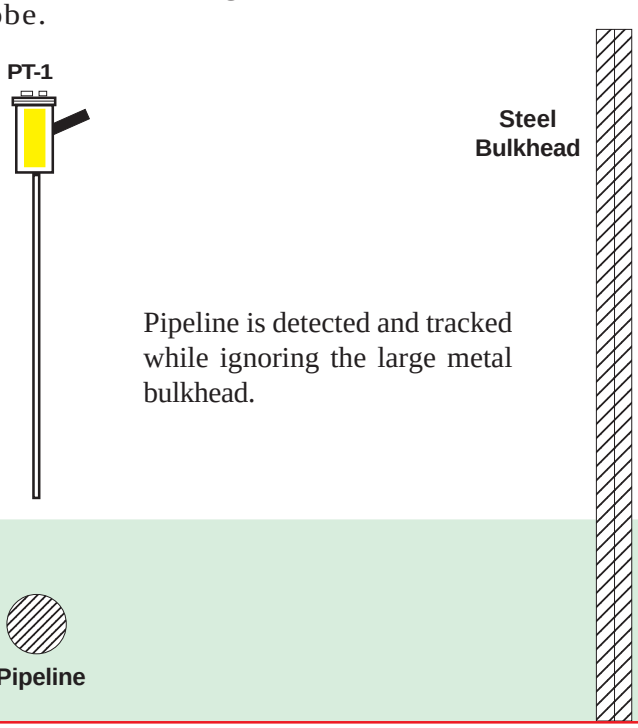
1010

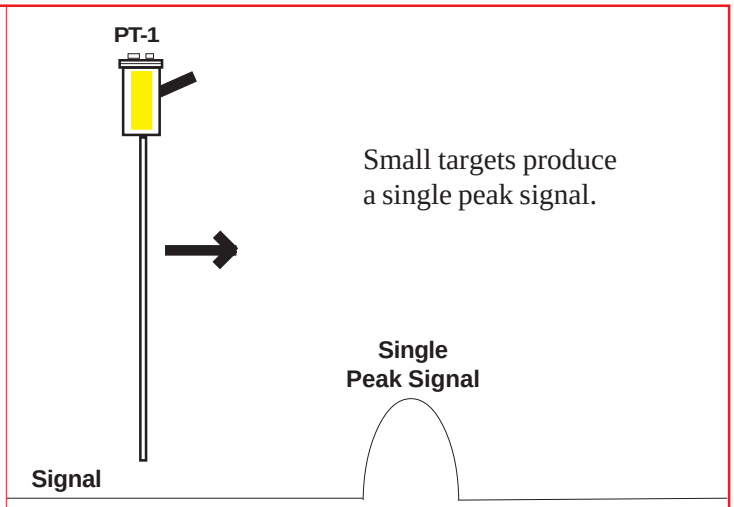
HOW THE PIPE TRACKER WORKS

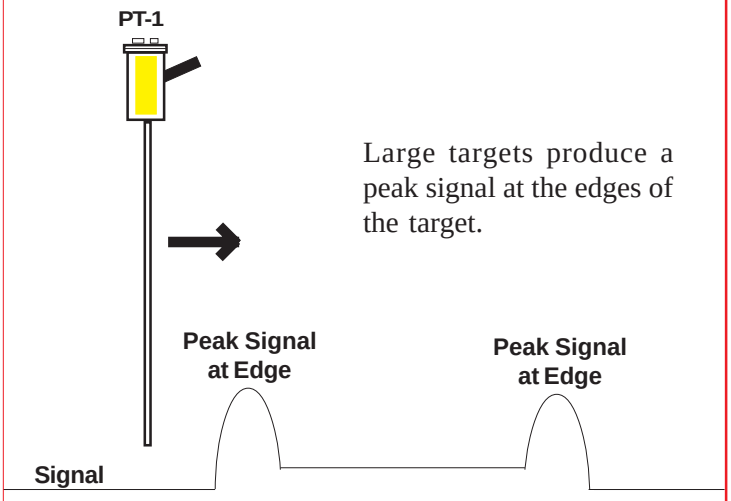
The PT-1 uses modified magnetometer technology. It has two sensors mounted 21" apart. One sensor is in the tip, and the second sensor is mounted 21" up the probe. When the PT-1 approaches an iron or steel target, one sensor is closer than the other, which creates a difference in the sensor outputs. This difference is converted into a readout which is displayed on the light bar and heard in the earphones. The advantages of the PT-1 with it's two sensor configuration are significant:

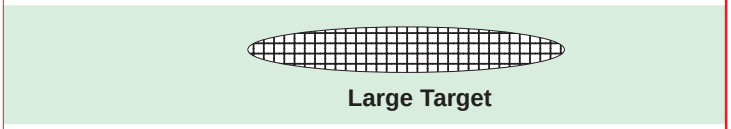


1) **It is very sensitive to ferrous (iron and steel) targets** - because a magnetometer is more sensitive than a conventional metal detector for most targets.
2) **Very easy to pinpoint the location of the target** - for small targets the maximum signal occurs when the probe is pointing directly at the target. When the probe swings to either side of the target, the signal strength drops off dramatically.
3) **Defines the size and shape of targets** - for larger targets, the outer edge of the target produces the peak signal, this enables the operator to approximate the size and shape of the target, and is beneficial in locating and tracking pipes and cables.
4) **It can locate and track pipelines, or other targets, even when they are located very close to bridges or other larger metal objects** - conventional magnetometers detect the bridge or other large object, making it extremely difficult to pinpoint the location of a smaller target. The dual sensors in the PT-1 cancel out targets located to the side of the probe.









Front Faceplate with Controls and Indicators