

ALL
NEW!

"GO-FER"
Detectron[®]

505



PIPE & CABLE LOCATOR

DURABLE CONSTRUCTION

The "GO-FER" is housed in rugged, indestructible "CYCOLAC" cases, and has injection-molded instrument panels for added strength. All electronic components are mounted on a single detachable circuit board for quick and easy maintenance. In addition, convenient battery access is made through removable doors on the transmitter and receiver. Both cases and circuitry are designed to tolerate the most extreme field temperatures, and make the "GO-FER" ideal for use in any environment.

QUARTZ CRYSTAL PRECISION

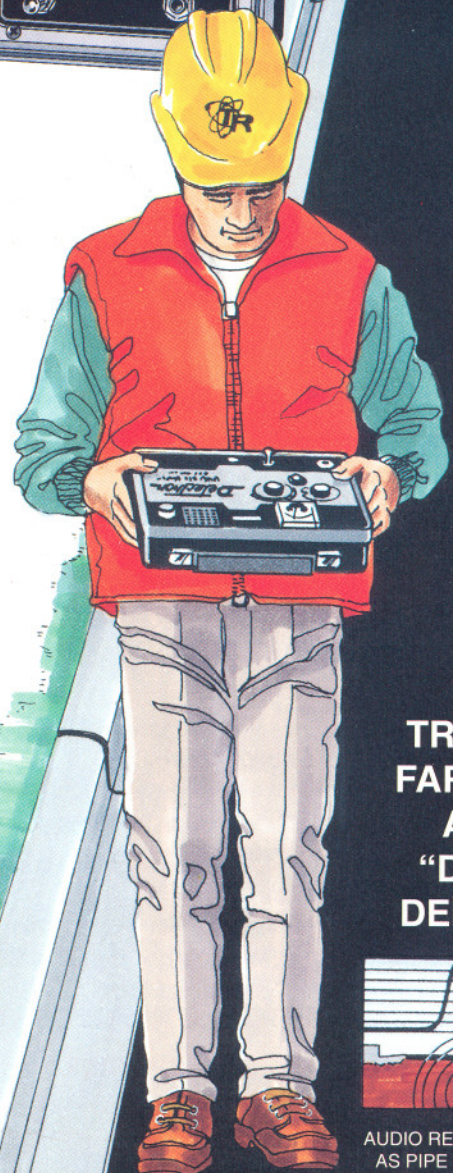
The All New Detectron "GO-FER" locates buried metal structures with smooth accuracy and ease: Its quartz crystal controlled transmitter fine-tunes the signal for precise location every time. And when it comes to tracing distance, depth penetration, and sensitivity, the Model 505 Rivals All Other Pipe and Cable Locators on the Market. The "GO-FER" can reach depths as great as 20 feet—and tracing distances of 1,000 feet are not uncommon.

IMPROVED CONTROLS

The "GO-FER"s radio frequency receiver allows it to screen out distracting noise while it simultaneously detects cables and pipes with assured precision. The "GO-FER" is also the first locator of its kind to have a separate **volume control** for reducing signal loudness without sacrificing sensitivity. This feature enables quieter operation in enclosed areas where lower volume is desired.

QUALITY ACCESSORIES

Model 505 comes complete with ground plate/connecting cable and full operating instructions—ready to use! Also available are cushioned earphones, 3-part handle, carrying strap, and a sturdy compartmented carrying case. In addition, this prestigious new instrument comes with the Detectron reputation for quality, dependability, and service!



**TRACES
FARTHER
AND
"DIGS"
DEEPER!**



AUDIO RECEIVER TONE
AS PIPE IS CROSSED

NEW VOLUME CONTROL!

505

"GO-FER"



PIPE & CABLE LOCATOR



FEATURES INCLUDE.

- Crystal controlled signal
- Plug-in circuit boards for easy maintenance
- **NEW!** Volume Control: Regulates volume without affecting sensitivity
- Lightweight: Operating Weight 8 lbs. (3.63 kg) (with handle)
- 12-month warranty

SPECIFICATIONS:

- A.** (1) Receiver: Operating Frequency-83kHz;
Audio Frequency-324.22 Hz.
Headset Impedance-8 ohms. Weight-4lbs. (1.81kg)
Dimensions: 11³/₈" x 8¹/₂" x 3" (289. x 215.9 x 76.2 mm)
- B.** (1) Transmitter: Output Frequency-83kHz \pm .005%
(Crystal Controlled)
Output Power-3 peak watts. Weight-3lbs. (1.36 kg)
Dimensions: 11³/₈" x 8¹/₂" x 3" (289. x 215.9 x 76.2 mm)
- C.** (1) Ground Plate/Conductive Clamp
(1) Instruction Booklet, Illustrated (Not Shown)

Shipped with batteries, ready to operate. Batteries exchanged in seconds through external, quick release doors.

The **Detectron Model 505 "GO-FER"** uses Two Sets of (6) six each "C" cell alkaline batteries. One set of batteries for the transmitter and a set for the receiver.

OPTIONAL ACCESSORIES:

- D.** (1) Handle, Rigid three sectioned black anodized aluminum
- E.** (1) Headset
- F.** (1) Carrying Strap
- G.** (1) Compartmented Carrying Case,
Size: 18¹/₂" x 13" x 7" - (469.9 x 330.2 x 177.8 mm)

ALL NEW!

PIPE AND CABLE LOCATOR PROBE

TS-8

The **ALL NEW TS/8 Probe** allows faster, easier locating with greater accuracy and distance than ever before attained with other standard locators. The TS/8 Probe connects to the Detectron 505 "Go-Fer" Receiver input jack. Locating and depth determination are absolutely unsurpassed. The TS/8 Probe takes the back-bending work out of pipe and cable locating.

THE *Detectron*® BRAND NAME IS YOUR ASSURANCE OF FAST, COMPETENT SERVICE.

FEATURES INCLUDE:

- Rugged construction
- Light weight
- Easy to operate
- **NEW** Telescopic handle assembly
- Built-in 45° Degree depth angle gauge
- Comfortable "Neoprene" grip handle
- Quick-twist probe release
- Unaffected by surface cover
- Water resistant

TS/8 Pipe Depth Determination: (See illustration below)

First locate the exact center of the pipe by crossing the line with the TS-8 probe in the vertical position. A sharp "NULL" or (loss of signal) will be noted when you're directly over the center of the pipe line. **(A)** Mark this location and then moving 90° from the pipe with the bubble centered in the 45° angle gauge and holding the probe tip close to the ground until another "NULL" **(B)** is detected. This will form an equilateral triangle with L_1 equal to L_2 . This distance from "B" to "A" will be the depth of the buried pipe.

SPECIFICATIONS:

Length: 34" (865 mm)

Operating

Weight: 2 lbs. (.907 Kg)

Shipping

Weight: 3 lbs. (1.36 Kg)

DELIVERY: Immediate delivery, from stock

F.O.B. San Gabriel, California

SERVICE: 24 Hour turn-around

TERMS: Net 30 Days on approval of credit

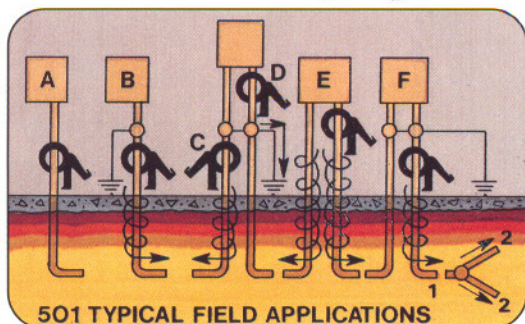
WARRANTY: 1 year parts and labor



501

For Pin Point Tracing of Buried or Above Ground Utilities

NEW! INDUCTION CLAMP



- A. Induction Clamp used in all tracing methods where conductors are exposed in at least one place and the terminated end is an open circuit.
- B. Induction Clamp shown coupled to a terminating end of a trace object, transmitter clamp requires a grounded conductor for a proper current flow through the ground.
- C. Induction clamp shown, must be coupled to a conductor in between the ground and the point where the conductor enters the ground.

The GO-FER Detectron 501 clamp was designed to accompany the 505 Pipe & Cable locator for superior tracing and locating abilities. Fully capable of identifying isolated pipes and cables in complex underground systems. The 501 gives utility users a more accurate means of location, as well as advantages in speed and convenience. The 501 Induction Clamp induces a current into the conductor using a strong electromagnetic field, without the possibility of air coupling into parallel lines. This allows for greater tracing distances.

FEATURES INCLUDE:

- Fully insulated and waterproof
- Sturdy spring hinged handle for rough field duty
- Fits a wide range of conductor diameters, single wire to diameters up to 4.5" (11.43 cm)
- Comes with 15' of connecting cable for the Detectron Model 505 GO-FER Pipe & Cable Locator

SPECIFICATIONS:

- A convenient 1/4-20 threaded insert is located in the clamp handle to accommodate an (optional) extension rod.

Weight: 1.5 lbs. (.68 Kg)

Shipping Weight: 2 lbs. (.907 Kg)

- D. Induction Clamp shown coupled in the wrong place causing the trace signal to return to the ground.
- E. Induction Clamp shown coupled around a conductor which feeds in two directions creating a current flow to allow tracing in BOTH directions.
- F. Induction clamp shown coupled to a conductor with laterals, feeding the full trace signal up to the junction point, (1) which then divides the signal strength into each branch (2).



THE WORLD FAMOUS *Detectron*[®] TRANSISTORIZED VALVE LOCATOR

7-T

Your Assurance of Perfect Performance & Dependability

This NEW Model 7-T is Compact, Balanced and Light Weight. Designed specifically to locate buried and concealed metal objects such as paved over manhole covers and valve boxes, metal survey or property markers, lost or buried tools, plumbing or electrical installations, behind plaster, brick or wood walls and lost or buried treasures.

The Detectron Valve Locator Model 7-T is an indispensable aid to Utility Companies, Surveyors, Police Departments, Electrical Contractors, Plumbers, Construction Companies, Municipalities, Engineers and Explorers.

OPERATING WEIGHT: 3 lbs.
(6.6 Kg)

SHIPPING WEIGHT:
With carrying case 12 lbs. (26.4 Kg)
Without carrying case 7 lbs. (15.4 Kg)

DELIVERY: Immediate delivery,
from stock
F.O.B. San Gabriel, California
Added cost for export packaging

SERVICE: 24 Hour Turn-around

TERMS: Net 30 Days, on approval of credit

WARRANTY: 1 year - parts and labor

NEW

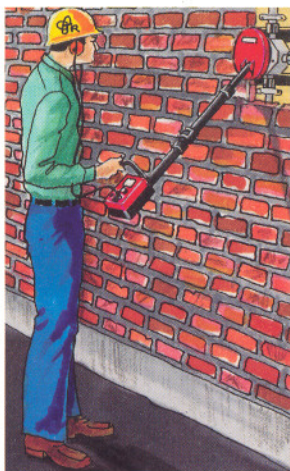
Telescopic
Handle Assembly

FEATURES:

- Rugged "Cyclac" instrument housing and detection head
- 3-Replaceable "AA" Alkaline batteries
- Built-in speaker, signal and battery test meter
- One sensitivity control knob
- Balanced and lightweight
- Adjustable extension
- Fully transistorized
- Set of stereo headphones
- Dependable

OPTIONAL ACCESSORY:

- 1-Carrying Case compartmented for each component



Locating electric conduits
concealed by brick wall



Locating valve box covers





NEW! *Detectron*[®] LEAK DETECTOR

**For locating fluid leaks
in pipes above ground or buried**



Fluid leak detection in
pipe above ground ▼

▲ Fluid leak
detection
in pipes
underground



FEATURES:

- 3 stage fully transistorized
- Sensitive magnetic pick-up
- Heavy-duty construction
- Self-contained, requires no auxiliary pick-up or lead wires
- One knob volume control
- Detachable extension probe
- 3 built-in sharp support contact points
- Automatic battery disconnect in phone plug

Model LD Leak Detector has been designed primarily for locating fluid leaks in pipe lines. The detector can be used for locating leaks either in piping which is above ground, or in pipes that are buried. Model LD is also an effective device for locating abnormal mechanical sounds in rotating or reciprocating machinery such as faulty bearings, valves and any peculiarities which result in abnormal sound transmission.

The detector consists of a highly sensitive magnetic pickup housed in a thick aluminum casting in such a manner as to convert very small mechanical vibrations into electrical impulses. These minute impulses are amplified with a three stage transistor amplifier and are heard with a pair of head phones. The mechanical and electrical construction is such that the vibrations caused by escaping fluids are accentuated. The entire unit is self-contained and requires no auxiliary pickup or lead wires.

The detector is furnished with a detachable extension probe which fits on the bottom of the detector and permits listening in earth or on the surface of small objects. When the extension probe is not used, the detector can be placed on a surface, and is supported with three sharp contact points. The Model LD leak detector is supplied with a single 9 volt battery. The current drain at full volume is 5 milliamperes. At this drain, the battery will operate more than 50 hours if used as much as 2 hours a day. An automatic battery disconnect is provided in the phone plug so that the battery cannot be accidentally left on when the detector is not being used.

SPECIFICATIONS:

The Model LD consists of—

- 1—Amplifier complete with a 9 volt battery drain of 5 milliamperes
- 1—Removable 7" probe
- 1—Set 2,000 ohm head phones

WEIGHT: Operating weight 1 lb. (.454 Kg.)
Shipping weight 3 lbs. (1.362 Kg)

HOUSING: Aluminum and heavy-wall P.V.C.
Overall height 5" (127 mm.)
Diameter 2 3/4" (69.85 mm.)

ALL NEW! *Detectron*®

XL-2

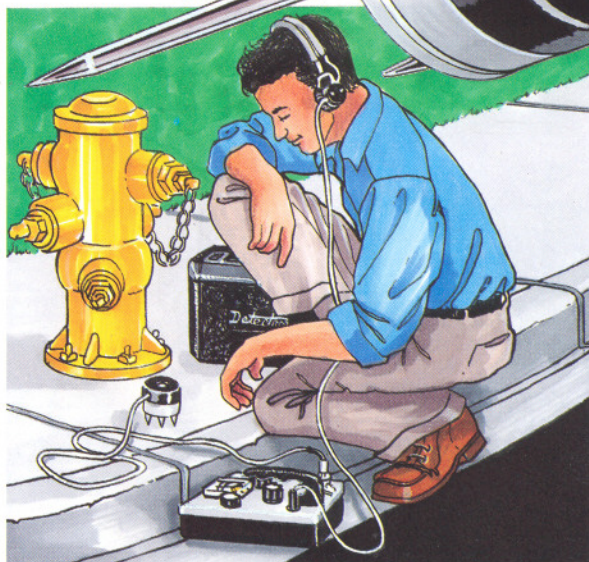
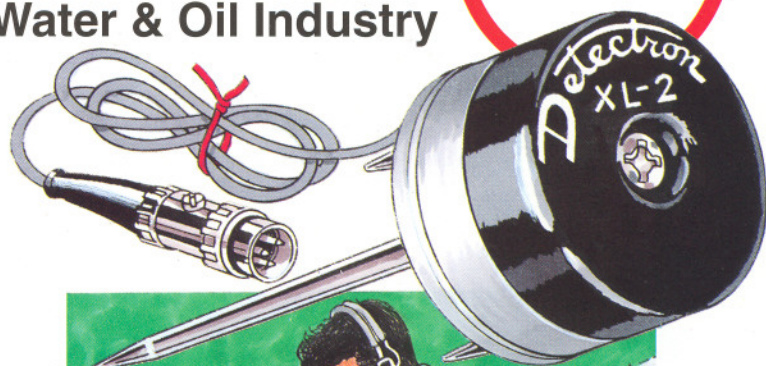
SOUND & LEAK DETECTOR

For Fluid Leak Detection in the Water & Oil Industry

The Detectron Model XL-2 is a compact, fully transistorized audio amplifier with built-in relative intensity meter. Used by plumbers, contractors, water departments, oil industries and maintenance engineers. This instrument is primarily designed as a fluid leak detector for the water and oil industry. It is also ideally suited for detection and study of a wide variety of other sounds created by vibration. Vibrations created by pressure fluid leaks in pipes, faulty bearings in a reciprocal engine, etc., are picked up by a super-sensitive magnetic transducer and converted into electrical impulses. These impulses in turn pass through the high gain temperature stable, four stage amplifier. Detected sounds can be observed both on the visual meter and headphones. Eleven, narrow band channels allow the operator to select desired sounds while rejecting unwanted background noises. The Detectron Model XL-2 is greatly superior in every aspect to many more expensive instruments of this type.

FEATURES INCLUDE:

- **Construction:** Instrument weighs only 2 lbs. (.907 Kg) and is housed in a rugged anodized aluminum case. Double anodized panel; MIL Spec. printed circuit board; rugged case aluminum transducer pick-up housing. (this quality construction will allow for many trouble-free years of operations despite adverse field conditions). The complete instrument, ready to operate, comes in a compartmented, molded ABS plastic carrying case.
- **Circuitry:** The "solid state" circuitry utilizes the very latest in silicone transistors to ensure against internal noise and to achieve the maximum reliability and stability, even at extreme ambient temperatures. Although the need for service other than battery replacement is rare, the printed circuit board is of unpotted modular design for easy access.
- **Battery:** Uses one readily available 9 volt battery.
- **Battery Test Switch:** Allows for instantaneous reading of battery condition which eliminates field downtime due to faulty batteries.
- **Pick-up:** A highly sensitive magnetic transducer housed in rugged cast aluminum. Construction is such that vibrations caused by escaping fluids are accentuated.
- **Filter:** An eleven position filter which tunes through the entire audio spectrum makes it possible to tune in on the band of sounds produced by a particular leak, while at the same time eliminating background and road noises which otherwise might obscure the leak. A twelfth, wide-band position gives the detector an unfiltered frequency response of 30 cps to 15,000 cps. Instrument is also equipped with a "mute" switch.
- **Amplifier:** Efficient, high gain, four stage amplifier uses modern temperature stabilized circuitry and all silicone transistors to ensure maximum reliability even when operated at ambient temperature extremes. The transistor types used in the circuit were chosen for their low noise characteristics, thus keeping internal noise at the lowest possible level. A circuit gain greater than 100 db increases minute sounds to 100,000 times their original strength. These high gain and low noise features, along with the eleven channel filter, combine to form a leak detector capable of tracing leaks under the most difficult conditions.



Leak detecting without direct contact with piping system



Leak detecting with direct contact with piping system

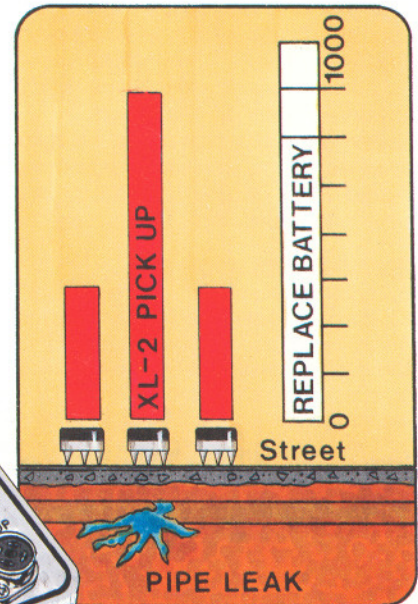
ALL NEW!

XL-2

Greatly superior to many of the more expensive instruments of this type

SOUND & LEAK DETECTOR

USED PROFESSIONALLY BY
PLUMBERS, CONTRACTORS, WATER DEPARTMENTS,
OIL INDUSTRY, AND MAINTENANCE ENGINEERS



XL-2 Leak detecting
without direct contact
with the piping system



SPECIFICATIONS:

Model XL-2 Leak Detector Complete consists of—

- A 1 — Instrument with battery, ready to operate
- B 1 — Super-sensitive magnetic transducer
- C 1 — 7" plated probe rod
- D 1 — Set of lightweight earphones
- E 1 — Molded, compartmented carrying case
- 1 — Set operating instructions (Not shown)

Shipping Weight: 8 lbs. (3.63 Kg)