

LIQUID LEAK DETECTORS

XLT-30

XLT-30 OPTION A BIG FOOT MICROPHONE & HYDROPHONIC PROBE



WEIGHT:
19 lbs. (8.6 kg)
Dimensions: 35" x 8" x 12"
(88.9 x 20.3 x 30.5 cm)
STANDARD EQUIPMENT:
•Big Foot
•Hydrophonic Cylinder Probe
•Heavy-Duty Carrying Case
•Probe Cable Assembly
•Operation Manual
•Control Unit
•Headphones
•Carry Strap
•Housing Bracket
•Sound Rods

XLT-30 OPTION C LITTLE FOOT MICROPHONE & HYDROPHONIC PROBE



WEIGHT:
9.5 lbs. (4.3 kg)
Dimensions: 21" x 6" x 14"
(53.3 x 15.2 x 35.6 cm)
STANDARD EQUIPMENT:
•Little Foot
•Hydrophonic Cylinder Probe
•Heavy-Duty Carrying Case
•Probe Cable Assembly
•Operation Manual
•Control Unit
•Headphones
•Carry Strap
•Housing Bracket
•Sound Rods

XLT-30 OPTION B MULTI-SENSOR MICROPHONE



WEIGHT:
10 lbs. (4.5 kg)
Dimensions: 35" x 6" x 14"
(53.3 x 15.2 x 35.6 cm)
STANDARD EQUIPMENT:
•Multi-Sensor
•Heavy-Duty Carrying Case
•Probe Cable Assembly
•Operation Manual
•Control Unit
•Headphones
•Carry Strap
•Housing Bracket
•Sound Rods

XLT-30 OPTION D BIG FOOT & MULTI-SENSOR MICROPHONES



WEIGHT:
19.5 lbs. (8.8 kg)
Dimensions: 35" x 8" x 12"
(88.9 x 20.3 x 30.5 cm)
STANDARD EQUIPMENT:
•Multi-Sensor
•Big Foot
•Heavy-Duty Carrying Case
•Probe Cable Assembly
•Operation Manual
•Control Unit
•Headphones
•Carry Strap
•Housing Bracket
•Sound Rods

XLT-17



FEATURES

- Detects and pinpoints liquid leaks in pipes
- 4 Frequency Filters: Low Pass, High Pass, Band Pass and All Pass
- Last setting memory feature
- Touch-control keypad
- Shielded sensor for reduced response to outside noise
- Improved headset for clearer sound response
- Automatic battery test - real time voltage level
- Operates on two 9-volt batteries
- Compact control box that can be worn around the neck or over the shoulder with an attachable strap
- Heavy duty carrying case



Fisher's XLT-30 leak detector is built to perform and priced to compete. With advanced electronic amplification and filtering, a tactile keypad, an easy to read digital display and notch feature (which allows independent suppression of outside interfering noise), the XLT-30 proves its worth again and again.

SPECIFICATIONS

Operating Frequency:
60 Hz - 6 kHz, Gain = 95 db
20 Hz - 60 Hz, Gain > 90 dB
Filter Types and Frequency Ranges:
All Pass: 60 Hz to 6 kHz
Low Pass: Adjustable cut-off frequency from 150 Hz to 2.4 kHz
High Pass: Adjustable pass band frequency from 150 Hz to 2.4 kHz
Band Pass: Adjustable center frequency from 150 Hz to 2.4 kHz
Notch Filter: Adjustable center frequency rejection from 150 Hz to 2.4 kHz

Can be used simultaneously with any filter option
Output Indications:
Audio: High performance headphones (64 ohms)
Visual: LCD bar graph and 2-digit numeric display
Grade of Protection: Splash Proof
Battery Test: Automatic
Battery Quantity/Type: (2) 9V Alkaline
Battery Life: 50 Hours (approximate)



Fisher's XLT-17 is a liquid leak detector that finds leaks in four easy steps by electronically amplifying leak sounds, selectively filtering out noise, isolating the leak sound, and leading the operator to the source of the leak.

SPECIFICATIONS

Operating Frequency:
60 Hz - 6 kHz, Gain = 60 db
20 Hz - 60 Hz, Gain > 55 dB
Filter Types and Frequency Ranges:
All Pass: 60 Hz to 6 kHz
Low Pass: Adjustable cut-off frequency from 150 Hz to 2.4 kHz
High Pass: Adjustable pass band frequency from 150 Hz to 2.4 kHz
Band Pass: Adjustable center frequency from 150 Hz to 2.4 kHz
Output Indications:
Audio: High performance headphones (64 ohms)
Visual: LCD bar graph and 2-digit numeric display
Grade of Protection: Splash Proof
Battery Test: Automatic, real time battery level indicator
Battery Quantity/Type: (2) 9V Alkaline
Battery Life: 50 Hours (approximate)
Carrying Case Dimensions: 21" x 6" x 14" (53.3 x 15.2 x 35.6 cm)
Weight: 10 lbs. (4.5 kg) (unit in carrying case)

METAL DETECTORS

M-66 & M-97

M-66 SPECIFICATIONS

Operating Frequency..... 4.5 kHz
Power Supply..... (2) 9V batteries
Battery Life (Alkaline)..... 25 - 35 hours
Weight with 8" coil..... 4.25 lbs. (1.9 kg)
Operating Temp..... -4°F to +158°F (-200°C to +70°C)
Searchcoil immersible in water
Dimensions..... Length: 28" to 48" adjustable (71 cm to 122 cm)
Shipping Weight..... 7 lbs. (3 kg)
Shipping Dimensions..... 34-3/4" x 12-3/4" x 5-1/4" (88.3 x 32.4 x 13.3 cm)

Designed for finding buried valves, boxes or vaults. In addition, the detector locates survey markers, water or gas meters, conduit, manhole covers and any other concealed metal.

M-97 SPECIFICATIONS

Operating Frequency..... 4.5 kHz
Power Supply..... (2) 9V batteries
Battery Life (Alkaline)..... 25 - 35 hours
Weight with 8-inch searchcoil 3.3 lbs. (1.5 kg)
11-inch searchcoil..... 3.9 lbs. (1.8 kg)
Operating Temp..... -4 to +158°F (-200 to +70°C)
Searchcoil immersible in water
Dimensions..... Length: 38" to 50" adjustable (96.5 to 127 cm)
Shipping Weight..... 7 lbs. (3 kg)
Shipping Dimensions 6" x 13" x 35" (15.2 x 33.0 x 88.9 cm)

AVAILABLE WITH
11" or 8" SEARCHCOIL

M-101

The Fisher M-101 metal detector was designed specifically for finding reinforcing bars and other metal objects embedded in concrete and for locating conduits, PK nails, wiring, metal wall studs and other metallic objects. Users may expect accuracy to 1/4" of the centerline of the rebar.



SPECIFICATIONS

Operating Frequency .. 4.5 kHz
Power Supply..... (2) 9 volt (NEDA 1604) batteries
Weight 2.8 lbs. (1.3 kg)
Dimensions..... Control Box: 3" x 5" x 6" (7.6 x 12.7 x 15.2 cm)
Handle: 3/4" x 23" (1.9 x 58.4 cm)
Shipping Weight 4 lbs. (1.8 kg)
Shipping Dimensions... 26-1/2" x 6-1/4" x 6-1/4" (67.3 x 15.9 x 15.9 cm)

OPTIONAL ACCESSORY

Search Loop Cover -
3-1/2" diameter
press-on, fitted
cover for the
searchcoil, to
prevent abrasion.
Item # 2024610030
(image not shown)

QUALITY

Fisher detectors are renowned for their quality.

PERFORMANCE

The worldwide underground utility industry relies on Fisher. Fisher Labs equipment is manufactured to be durable, dependable, accurate and easy to use.

REPUTATION

Fisher produced the first patented metal detector in 1931. For over 80 years, the Fisher logo has been a mark of excellence.

LIMITED WARRANTY

NOTE TO CUSTOMERS OUTSIDE THE U.S.A.

This warranty may vary in other countries; check with your distributor for details. Warranty does not cover shipping costs.

SERVICE

Fisher is committed to providing you, our valued customer, with superior service. Each and every instrument is rigidly tested. Should you have any questions or problems, contact:

FISHER RESEARCH LABS

1465 Henry Brennan Dr., El Paso, Texas 79936
Tel 915.225.0333 Fax 915.225.0336
www.fisherlab.com email: info@fisherlab.com

Detecting & Underground Locating Equipment

- DIGITAL LINE TRACERS
- FERRO-MAGNETIC LOCATORS
- METAL DETECTORS
- SPLIT-BOX PIPE & CABLE LOCATOR
- LIQUID LEAK DETECTORS
- WATER LEVEL INDICATORS
- SONDES



PRODUCT CATALOG
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DIGITAL LINE TRACERS

TW-82

Setting a New Standard of Performance in High Frequency Line Tracing

TW-82 RECEIVER

Frequency 82.175 kHz
Depth Measurement..... Numeric Display, Automatic
Left/Right Guidance Audible and Visual
Azimuth Indicator..... Audible and Visual
Over-Target Indicator..... Visual
Signal Strength Indicator..... Numeric Display & Audible
Signal Current Measurement.. Numeric Display, Automatic
Battery Status Visual
Battery Life..... Average 100 Hours
Battery Type..... (2) "D" cell batteries (included)
Weight 3.5 lbs.
Dimensions 7-1/2" x 11" x 30"

TW-82 TRANSMITTER

Output Frequency..... 82.175 kHz
Output Power (nominal)..... *Normal Setting= 0.25 Watts*
High Setting= 1.0 Watts
Conductive Tracing 2 to 3,000 ohms normal power-6dB
Magnetic Strength..... 2 to 8,000 ohms high power-6dB
Inductive Tracing..... 15V/m², normal power
Magnetic Strength..... 25V/m², high power
Battery Life..... Average 130 hours
Battery Type..... (4) "D" cell batteries (included)
Weight 3.73 lbs.
Dimensions 9-1/2" x 11-1/2" x 4"

ENVIRONMENTAL

Operating Temp.....
-4° to +140°F (-20° to +60°C)
Ingress Protection Rating
IP65 (stands up to water jets)
Relative Humidity
0 to 95% noncondensing

OPTIONAL ACCESSORIES

Coupling Clamp Useful for in-service and electrical power line tracing when a metal-to-metal hookup is not possible
Item # CClamp-3
Sonde Insertable transmitter
Item # Sonde-82.175

TW-82P

NOW AVAILABLE WITH Passive Power Detection

Comes with TW-82P Receiver, TW-82 Transmitter and Coupling Clamps

TW-8800

TW-8800 RECEIVER

Signal Strength Digital Numeric Readout
(0-99%) & Bar Graph
LCD Backlight Included
Battery Test..... Automatic Low Battery alert
Push button readout
Battery Life..... 80 Hours
Battery Type..... (6) "C" cells
Weight 6 lbs. (2.7 kg)
Operating Temp..... -4° to +140°F (-20° to +60°C)
Dimensions: 6-1/2" x 11" x 32-1/2" (16.5 x 27.9 x 82.6 cm)

FEATURES

- Automatic gain control
- Audio and visual left/right guidance
- Large easy to read LCD display
- Push button depth measurement

TW-8800 TRANSMITTER

Output Frequencies 82 kHz, 8.2 kHz, 820 Hz
Output Power (nominal)..... 82 kHz: .7 Watts
8.2 kHz: 7 Watts
820 Hz: 7 Watts
Battery Test..... Yes
Battery Life..... 80 Hrs. at 82kHz
Battery Type..... (2) 6 Volt lantern batteries
Weight 7.8 lbs. (3.5 kg)
Dimensions: 7-3/4" x 12" x 6" (19.7 x 30.5 x 15.2 cm)

OPTIONAL ACCESSORIES

Headphones Volume adjustment.
Item # 9720950000
Coupling Clamp Useful for in-service and electrical power line tracing when a metal-to-metal hookup is not possible *Item # CClamp-3*
Sonde Insertable transmitter *Item # Sonde-82.175*
Item # Sonde-8K

FERRO-MAGNETIC LOCATORS

FPID-2100

Compact & Lightweight

The Fisher FPID2100 features a patented Target Identification System (TID)[™] designed to save you time from digging unnecessary holes, especially in hard or frozen ground.

Effectively locate valves and curb boxes up to 9 ft deep, survey markers up to 8 ft deep and PK nails up to 14" deep. It provides performance so precise that it can distinguish between a manhole cover and a closed iron valve.

FEATURES

- Unbeatable performance locating targets near a fence line.
- Pinpoints to 1" of center for valves and curb boxes.
- Excellent for finding buried ferrous objects including PK nails, iron pipes, valve covers, masonry nails and old hidden culverts.
- Strong ABS plastic housing. Unique top-end design protects switches while the operator is still able to use the controls when wearing thick gloves.
- Pulsating tone/Low Battery indication and quick, easy battery replacement.



FX3

SPECIFICATIONS

Battery (1) 9V transistor (NEDA 1604)
Battery Life: Carbon Zinc 25 hours
Alkaline 35 hours
Operating Environment:
Carbon Zinc 40°F to 122°F (4°C to 50°C)
Alkaline 0°F to 122°F (-18°C to 50°C)
Waterproof Length 36" (91.4 cm)
Output Indication Audio, 2-1/4" (5.7 cm) dia. speaker or headphones
Weight 2.5 lbs. (1.14 kg)
Length 42-1/4" (107.3 cm)
Shipping Weight 9 lbs. (4 kg) including hard-shell carrying case
Shipping Dimensions 5" x 6" x 45-1/2" (12.7 x 15.2 x 115.6 cm)

FEATURES

- Motion-only probe
- Variable tone and pitch
- Sharp null over target for precise target pinpointing
- Highly sensitive to iron with a large surface area, highly magnetic objects and long objects buried vertically
- Simple one-knob operation



SETTING 1: OPERATE AS NON-DISCRIMINATING MAGNETIC LOCATOR

All ferrous metal objects induce an Audible Tone and Red Light Alert.

SETTING 2: PATENTED TARGET IDENTIFICATION SYSTEM (TID)

Northern (Red Light) and Southern (Green Light) Polarity Alerts save you time and help you to avoid unnecessary digging.

SPECIFICATIONS

Operating Temperature..... -13 to 140°F (-25 to 60°C)
Power Supply..... (1) 9V Battery
55 hours intermittent use
Low battery indication
Weight 2 lbs. (.9 kg)
Dimensions Overall length 34" (86.36 cm)
Submersible in water up to the handle grip 30" (76.2 cm)



ACCESSORIES

Standard Equipment:
Carrying Case *Item # 2018060000*
Operation Manual *Item # 8702060000*
Optional Equipment:
Fisher Phones *Item # 9720971000*
Stereo Phones *Item # 9720950000*

SPLIT-BOX PIPE & CABLE LOCATOR

TW-6

The TW-6 Pipe & Cable locator finds underground pipes, cables, manhole covers, vaults, valve boxes and other metallic objects. *Affordable, tough and simple to use.*

- The industry standard
- The handle-mounted TW-6, can conduct blind searches of an area to locate an underground pipe or cable where the starting point is unknown.
- Noise cancelling circuitry eliminates power line interference

RECEIVER

Operating Frequency 81.92 kHz ± .005%
Batteries 8 each AA (NEDA 15)
Weight 3 lbs. (1.36 kg)
Sensitivity Normal: 400 uV typical..... High: 8 uV typical
Signal-to-noise Ratio 110 dB
Headset Impedance..... 600 ohms (mono)..... 8 ohms (stereo)
Dimensions 11-1/2" x 9" x 3" (29.2 x 22.8 x 7.6 cm)
Operating Temperature -10°F to +120°, (-23°C to +48°C) depending on batteries used
Total Weight 5.5 lbs. (2.5 kg) - (without handle accessory, ground plate assembly and operating manual)
Total Shipping Weight 6.75 lbs. (3 kg) - (including only ground plate assembly and operating manual)

TRANSMITTER

Operating Frequency 81.92 kHz ± .005%
Batteries 8 each AA (NEDA 15)
Weight 2.5 lbs. (1.1 kg)
Dimensions 11-1/2" x 9" x 3" (29.2 x 22.8 x 7.6 cm)
Operating Temperature -10°F to +120°, (-23°C to +48°C)

OPTIONAL ACCESSORIES

- Tracer Probe
Item # Probe-TW6
- Coupling Clamp
Item # CClamp-3
- 3-pc Handle Kit
Item # Handlekit-TW6
- Hard Carrying Case
Item # 2018090000
- Sonde-TW6
- Stereo Headphones
Item # 9720950000
- Fisher Phones
Item # 9720971000

Ground Rod Harness Assembly Included



WATER LEVEL INDICATORS

WLT

The WLT Water Level Indicator provides an economical and reliable means of obtaining accurate water level data in water wells. Contact of the electrode assembly with the water surface is indicated by an LED and an audio alert.

The brass electrode assembly is 3/8" in diameter and can be replaced in the field. The WLT is available with a 1/2" diameter brass electrode on a special-order basis. The cable is two-conductor, steel and copper plated, with a tensile strength of approximately 300 pounds and a tough plastic insulating jacket. It is mounted on a small handheld spool and stand to conveniently extract or withdraw the cable and electrode assembly.

Depth is indicated by numbered metal tags securely crimped to the cable at intervals of 5' or every meter on the metric model, WLTM.

FEATURES

- Sturdy stand and reel
- Standard lengths: 100, 200, 300, 400, and 500 feet
Metric: 50, 100, and 150 meters
- Handy reel-type spool
- High tensile strength cable
- Flexible brass probe
- Metal tag numbers every five feet or every meter
- Self-contained power supply using a standard 9-volt battery
- Audio alert and visual alert LED indicate contact with water



SELF CONTAINED SIGNAL TRANSMITTER

SONDE

FEATURES

- Rugged Design
- Long Battery Life
- Outstanding Distance & Depth

	SONDE-512	SONDE-8K	SONDE-TW6	SONDE-82.175
Operating Frequency	512 Hz	8.2 kHz	81.92 kHz	82 kHz
Weight	8.0 oz	8.0 oz	6.4 oz	6.4 oz
Length	5 1/2"	5 1/2"	5 1/2"	5 1/2"
Height	6"	6"	6"	6"
Battery Life	17 hrs	72 hrs	70 hrs	70 hrs
Depth	15'	20'	20'	20'
Operating Temperature	-20 to +60 C	-20 to +60 C	-20 to +60 C	-20 to +60 C
End Cap Thread	3/8"-16 x 3/4"	3/8"-16 x 3/4"	3/8"-16 x 3/4"	3/8"-16 x 3/4"

Fisher Sondes are small transmitters used to trace the path of non-metallic pipes and locate blockage in lines. Sondes are inserted into a pipe or duct by means of a push rod and located using a Fisher receiver. Fisher offers 4 sondes for use with your line locator at various frequencies.

