



StructureScan_{TM} Mini XT

The StructureScan_{TM} Mini XT is GSSI's newest generation of our very popular all-in-one GPR systems. The StructureScan Mini XT offers a 2.7 GHz antenna for superior target resolution and can reach depths of up to 50 cm (20 inches). This system is designed with the option for users to add accessories and tailor the unit to specific applications.

The Mini XT Advantage

The StructureScan Mini XT is ideal for locating the position and depth of metallic and non-metallic objects in concrete structures, including rebar, conduit, post-tension cables, voids and service utilities. In addition, the Mini XT can help identify structural elements including pan deck, concrete cover, and slab thickness.

MAX DEPTH

50 cm (20 inches)

ANTENNA FREQUENCY

2700 MHz

WEIGHT

1.8 kg (4 pounds)

STORAGE CAPACITY

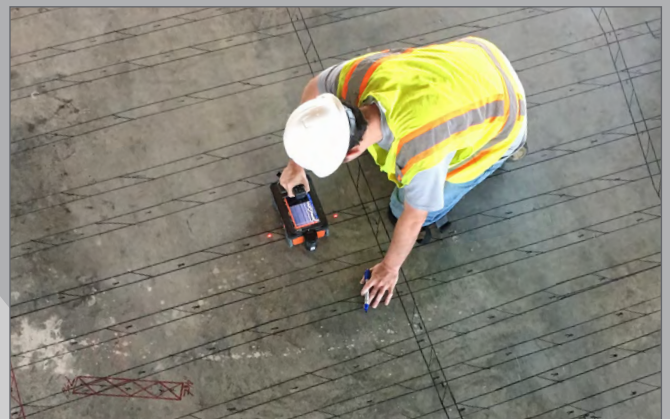
14.5 GB

OPTIONAL SOFTWARE

RADAN 7 for
StructureScan Mini

ACCESSORIES

Palm XT Antenna,
LineTrac XT,
Accessory Pole



See our website for more information and detailed specifications: www.geophysical.com

STRUCTURESCAN MINI XT FEATURES

High Frequency, High Resolution Concrete Antenna

The StructureScan Mini XT employs a new 2.7 GHz antenna that provides excellent near surface resolution while also maintaining the ability to resolve deeper targets.

Enhanced Data Visualization

Get first-in-class data visualization with a state-of-the-art 6.5 inch HD touchscreen user interface and several operation modes designed for beginner to advanced use.

Operation modes include: QuickScan to collect 2D data with the push of one button, ScanMax to access advanced options, and Scan3D for complex reinforcement environments.

Accessories for Advanced Capabilities

Incorporated into the design are three accessory ports that allow the use of add-on accessories including the Palm XT, LineTrac XT, and an extension pole.

TYPICAL USES

Find Rebar, Post Tension, Conduits, and Non-metallic Objects

Measure Slab Thickness and Void Location

Concrete Scanning and Imaging

Condition Assessment

Structure Inspection

FCC, RSS-220 and CE Certified

ACCESSORIES



Palm XT Antenna

Palm XT is a small form factor GPR antenna that gives users unprecedented access in tightly spaced areas and enables easy overhead scanning.

- 2300 MHz antenna offers superior depth penetration and resolution
- Full keypad control via the antenna top provides remote control of user interface
- Three data collection modes



LineTrac XT

LineTrac XT adds the ability to detect AC power and induced RF present in conduits. This accessory detects low amplitude AC signals associated with difficult to locate conduits.

- Seamless fusion with GPR data
- Aids in target discrimination
- Detection at 50/60 Hz
- Rugged, IP-65 rated enclosure

Geophysical Survey Systems, Inc.

40 Simon Street • Nashua, NH 03060-3075 USA • www.geophysical.com





New Accessory for the StructureScan Mini XT

LineTrac XT

www.geophysical.com

GSSI is pleased to announce LineTrac™ XT, an accessory to our StructureScan Mini XT. LineTrac adds the ability to detect AC power and induced RF energy present in conduits.

Locating specific power sources in concrete can be very complex. Site conditions resulting from various renovations and modifications can make the job more difficult and time consuming. GSSI recognizes that ground penetrating radar (GPR) is not the only tool for the job and has developed an accessory that combines radar data with a magnetometer.

The most important requirements for concrete professionals are ease-of-use, accuracy, and reliability. The combination of the StructureScan Mini XT and LineTrac XT addresses these needs with features that deliver accurate, dependable, and repeatable performance.

LineTrac employs a 50/60 Hz electro-magnetic sensor that is used to locate powered conduits. LineTrac XT detects extremely low amplitude AC signals associated with difficult to locate conduits.

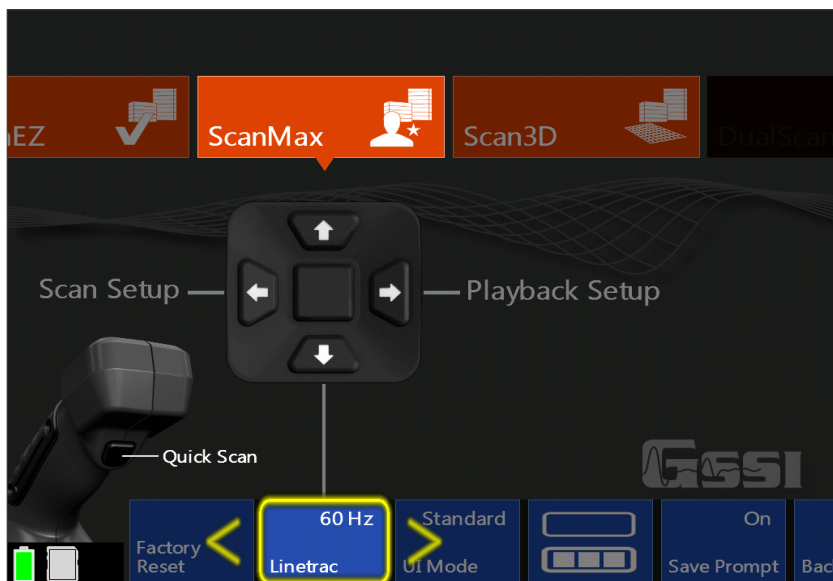
Features

LineTrac includes a number of features to easily identify target utilities, including:

- Easy integration with StructureScan Mini XT
- Seamless data fusion with GPR data
- Aids in target discrimination
- Detection at 50/60 Hz
- Rugged, IP-65 rated enclosure

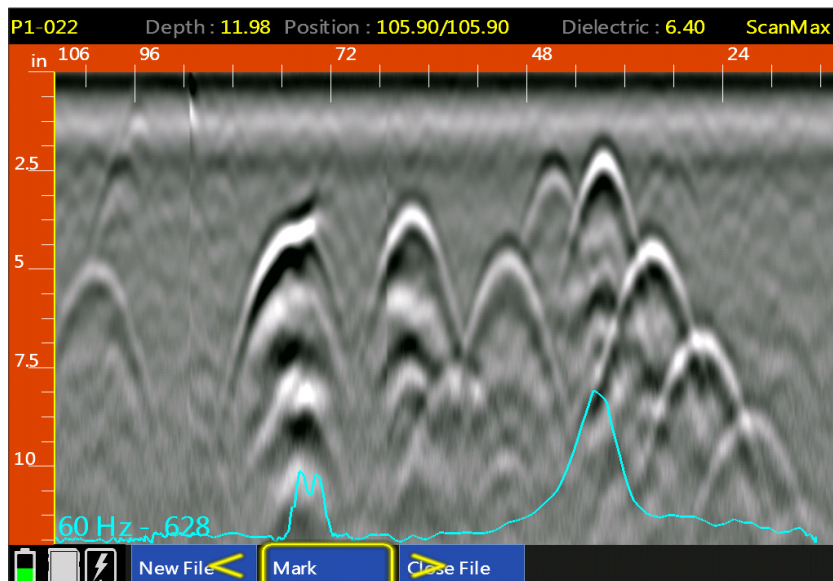


LineTrac XT Solutions



The StructureScan Mini XT comes equipped with the LineTrac XT software package. Simply insert the LineTrac XT into the front accessory port on the StructureScan Mini XT system. Select the LineTrac XT module and choose between 50 Hz or 60 Hz.

Screen image illustrates GPR data of a suspended concrete slab with metallic reinforcement and a conduit with the presence of live power, indicated by the blue peaks.



Specifications

Power Mode Frequencies	50 Hz or 60 Hz
Minimum Detection Limit	>1 A @ 10 inches (25 cm) on a 120 V circuit
Ingress Protection	IP-65
Compliance	FCC, RSS, RoHS, CE
Operating Temperature	-20°C to 40°C (14°F to 122°F)
Warranty	1 year

sales@geophysical.com

40 Simon Street • Nashua, NH 03060-3075
Tel: 603.893.1109 • Toll Free: 800.524.3011 • Fax: 603.889.3984

Geophysical Survey Systems, Inc.

Copyright © 2016 All Rights Reserved
Geophysical Survey Systems, Inc.
12.13.2016

Accessory Guide

StructureScan **Mini** XT

www.geophysical.com

Expanding Capabilities and Functionality

Released in 2015, the StructureScan Mini XT was designed as a flexible concrete scanning system that allows users the option to add accessories and tailor the product to the specific application. The Palm XT antenna is the third accessory to the family, joining the Mini XT extension pole with six-button remote operation, and the LineTrac XT AC current detect module. The StructureScan Mini XT is the industry standard for concrete scanning and provides the perfect combination of price and performance.

Palm XT

Palm XT is a small form factor GPR antenna that gives users unprecedented access in tightly spaced areas and enables easy overhead scanning. This 2300 MHz Palm XT antenna offers superior depth penetration and resolution. It features a full keypad control via the antenna top that provides remote control of the user interface.

The antenna has seamless software integration with three data collection modes that provide the user with in-field options for data collection.

- **Standard mode** — Requires no special set up, and is ready for plug-and-play operation
- **Cross Polarization mode** — Highlights non-metallic objects, such as PVC, and de-emphasizes metallic objects like rebar and wire mesh
- **Side Car mode** — Transitions the survey wheel to the side of the antenna and allows it to fit into smaller spaces



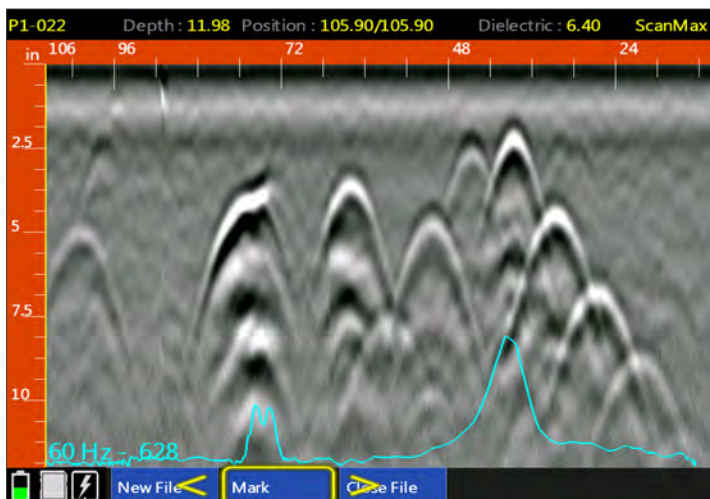
LineTrac[®] XT

LineTrac XT adds the ability to detect AC power and induced RF present in conduits. Locating specific power sources in concrete can be very complex. Site conditions resulting from various renovations and modifications can make the job more difficult and time consuming. This accessory combines radar data with a magnetometer. LineTrac XT detects extremely low amplitude AC signals associated with difficult to locate conduits.

LineTrac has a number of features to easily identify target utilities, including:

- Seamless fusion with GPR data
- Aids in target discrimination
- Detection at 50/60 Hz
- Rugged, IP-65 rated enclosure

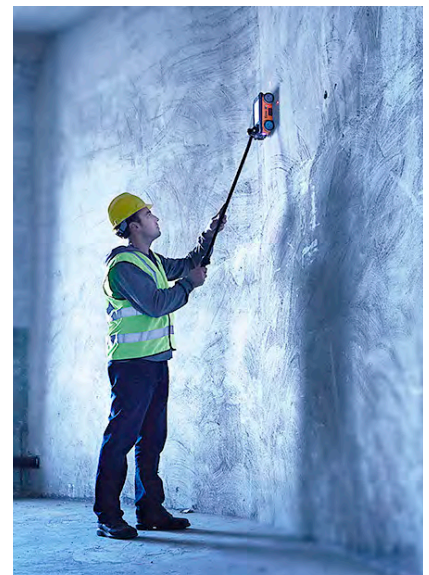
Simply insert the LineTrac XT into the front accessory port on the Mini XT system, select the LineTrac XT module and choose between 50 Hz or 60 Hz.



Screen image illustrates GPR data of a suspended concrete slab with metallic reinforcement and a conduit with the presence of live power, indicated by the blue peaks.

Additional Accessories

- Li-ion battery
- Dual bay battery charger with four (4) international adapters
- Extension pole with six-button remote capability
- Extension pole case
- RADAN 7 for StructureScan Mini



sales@geophysical.com

40 Simon Street • Nashua, NH 03060-3075
Tel: 603.893.1109 • Toll Free: 800.524.3011 • Fax: 603.889.3984

Geophysical Survey Systems, Inc.

Copyright © 2017 All Rights Reserved
Geophysical Survey Systems, Inc.
08.01.2017