

Sniper
3D VISUAL ANALYZER

SNP-23400

Search Systems

4

USER MANUAL

IT'S NOT JUST A DEVICE

**Accurate And Strong
Like A Sniper**



3D Ground Scan



Live Scan



Pin Pointer



Discrimination



Please scan the code
to see our website.

We proudly introduce ourselves as an esteemed French company that stands at the forefront of the industry, dedicated to the relentless pursuit of excellence in the development and production of state-of-the-art metal detector devices. Our unwavering commitment lies in crafting groundbreaking solutions that transcend the boundaries of conventional exploration, with an unwavering focus on the remarkable realm of 3D ground scanning.

Fuelled by an insatiable passion for innovation and driven by a relentless pursuit of the latest technologies, we embody the spirit of trailblazers in our quest to revolutionize the world of treasure hunting and archaeology. With every device we conceive, we aim to redefine the limits of possibility, empowering explorers to unlock the secrets of the past with unprecedented precision and unparalleled efficiency.

Drawing upon our vast expertise and deep-rooted knowledge, we channel our unwavering dedication into the creation of cutting-edge metal detector devices that stand as beacons of unparalleled performance. Our esteemed clientele can rely on our products to deliver unrivaled accuracy, reliability, and sensitivity, propelling them to new heights of success in their noble pursuits.

Overview



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Package



Instalation

To start install the sensor unit to the main unit correctly



Todo put the sensor connector part into the conector side of the main unit and turn it until the end.

Main unit overview



Powering

Power ON / OFF

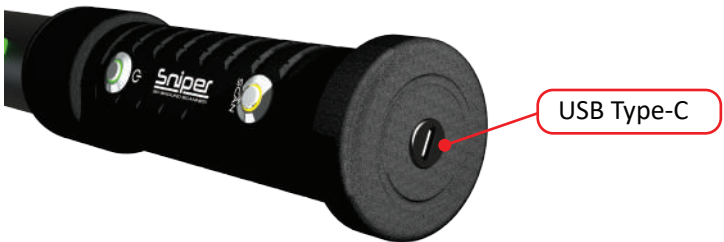
to power on the device press power button on the handle of the device once. when the LED light over the scan button turned ON (orange) means the device is powered ON

To power OFF the device press on the power button on the device handle once. when the orange LED around the scan button turnef OFF, means the device is OFF.

Charging the device

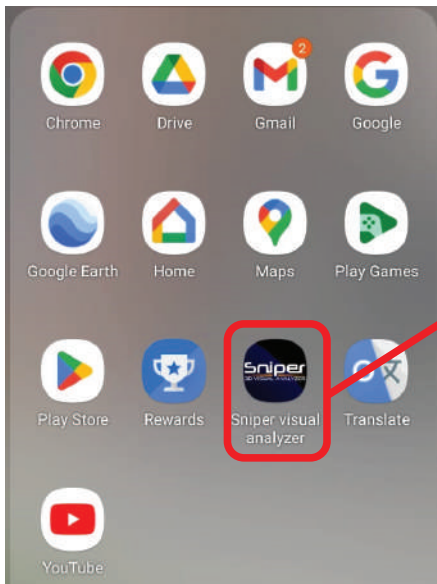
The sniper SNP-23400 comes with USB type-C charging jack. its make the device easy to charge with any standard charge adapter and user can do it easily.

Note: when puting the device into the charge, the green LED around the power button will turned ON



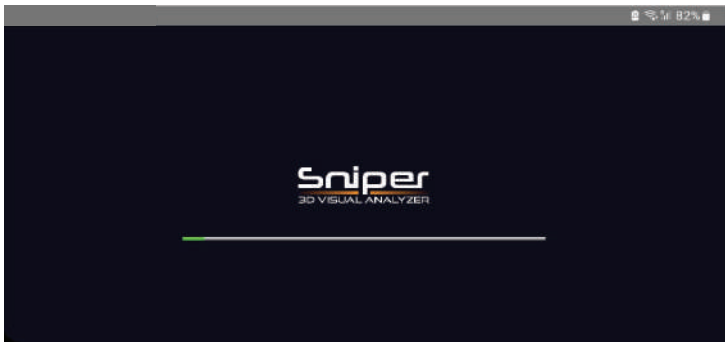
Install the Sniper Visual Analyzer from our website : www.sniperscanners.com into your android device (Tablet or Phone)

after instalation compelete you can see the installed app icon in the aplications list as the picture below.

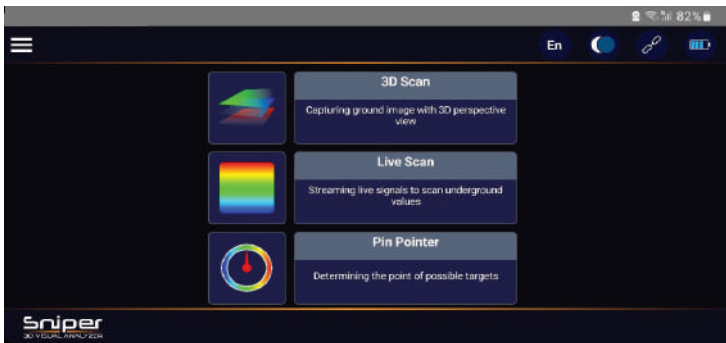


Start the app

when opening the application, wait for below screen to end and redirect to the first page in the app



welcome screen

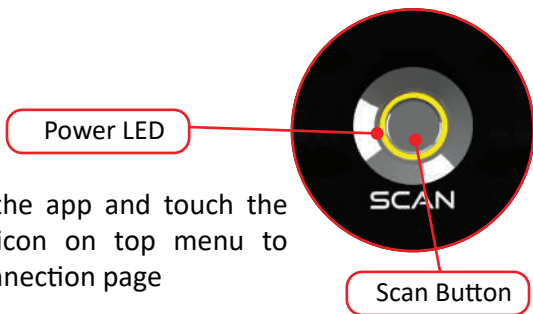


Main Menu

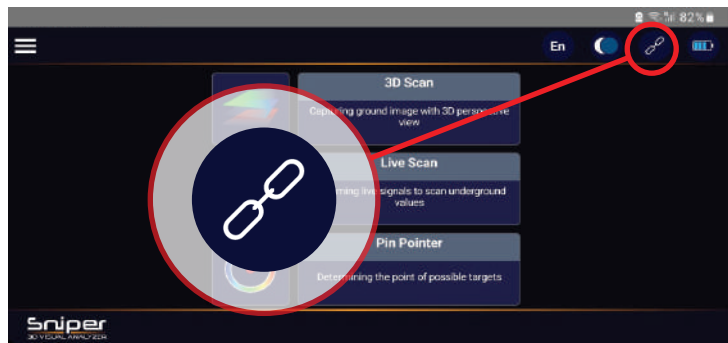
Connection

It is important to connect the device to the app first. To do this, first turn on the device and touch the connection icon in the app

to turn the device on just press the power button on the main unit. when the light over the scan button turns orange it means that the device is on state ON



then go to the app and touch the connection icon on top menu to open the connection page

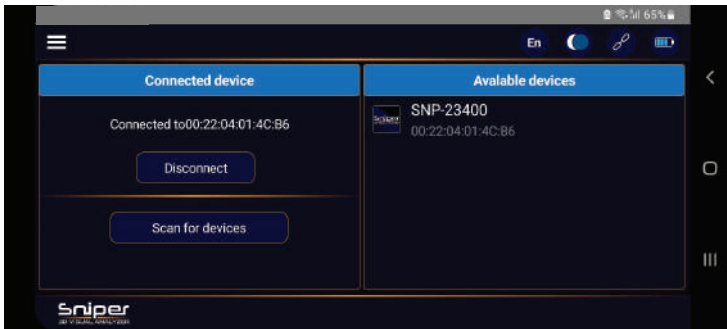


Connection

in the left side of the connection page you can see “SCAN FOR DEVICE” button

press and wait for the available devices that will appear in the list in the right side of the page

Note: Sniper Scanner devices will show as the application icon.



touch the device name in the list and wait for connection. when connection is done you can see the device MAC ADDRESS in the left top side of the page with a message “Connected to XX:XX:XX:XX:XX”

after done connecting to the device press on back to return to the main menu

Main menu description

when you are in the main menu , in the top pane you can see 4 icons



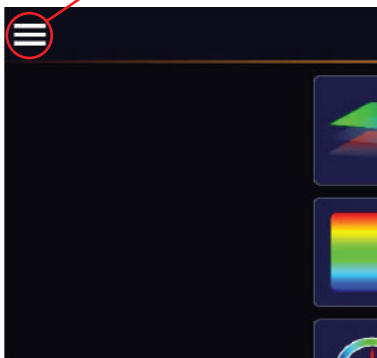
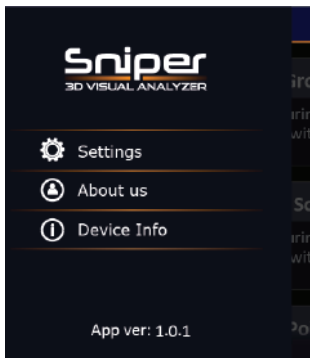
1. language symbol
this icon shows the symbol of selected language. (EN appears for english)
2. theme changer
you can switch the application theme between dark mode and light mode using this icon
Note: if you are choosed to auto witch in the night time, this item will not change the them
3. connection
you can open connection page by pressing on this item
4. device battery status
this item shows the device battery status.

Settings

Navigation menu

By press on the navigate menu a float menu will open that includes:

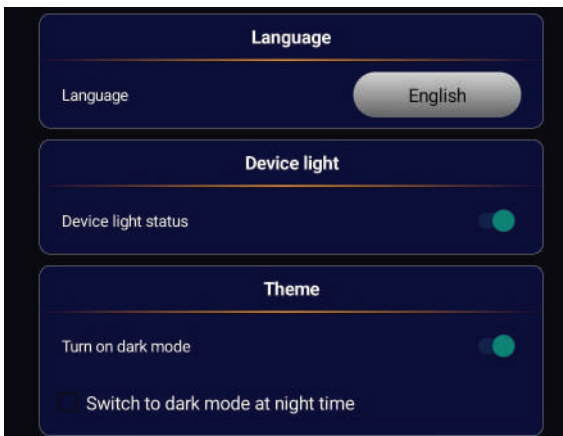
1. Settings
2. About us
3. Device info
4. Application version



Settings

by selecting this item setting list will open. in this list you can see the following settings.

1. Language
2. Device light
3. Theme



Language

the application supporting 8 languages as following:

- | | |
|---------|---------|
| English | Turkish |
| French | Chinese |
| Germany | Arabic |
| Spanish | Persian |
| Russian | |

Settings

Device Light

by turning on this option the RGB light on the main unit will work during scan operation.

you can turn it off if it is not necessary.



Theme

You can turn Dark mode ON/OFF using this option.

if you need to turn this option automatically during night time, you can check the below option.

“Switch to dark mode at night time”

Note

During “Switch to dark mode at night time” is checked you can not change dark mode option manually.

Systems

Embark on a treasure hunt like never before with our Sniper 3D Scanner. Boasting four distinct systems, this device is a symphony of innovation for both novices and seasoned prospectors. Witness the convergence of technology and expertise as you delve into the intricate realms of gold detection, redefining the very essence of exploration. Uncover, adapt, conquer – the future of discovery awaits

this systems are:

1. 3D ground Scan
2. Live scan
3. Pin Pointer
4. Discrimination

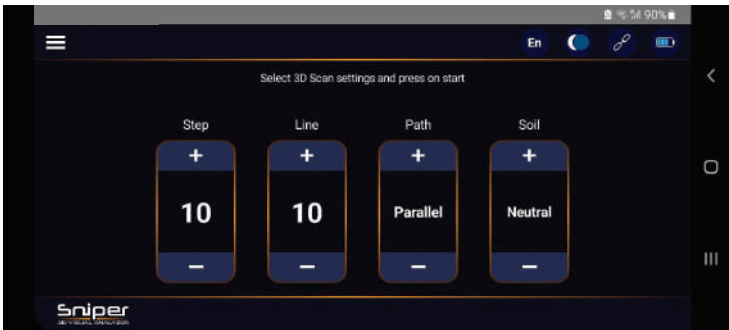


3D Scan



3D Ground Scan

By using this system, the user can explore the depths of the ground from the surface of the ground and analyze the scanned area in a 3D view. the result can show the shape of the target and the depth also.



By opening 3D ground Scan, the settings for this system will appear.

in this page you have to set the settings before start the scan operation.

this settings are:

number of steps

number of scan lines

type of moving direction

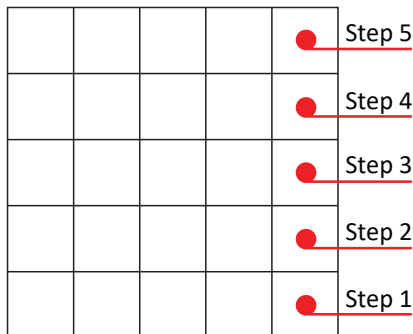
soil type

below comes the description of each item of scan settings.

Steps

imagin that you decide to scan an area with **150cmX150cm**

in this case you need to devide this area to **5** steps. it means that you have to press the scan button on the device by each step

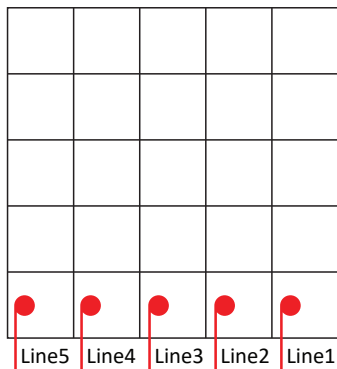
**Note:**

the distance between each step must to be about 30cm

Lines

imagin that you decide to scan an area with **150cmX150cm**

in this case you need to devide this area to **5** Lines

**Note:**

the distance between each line must to be about 30cm

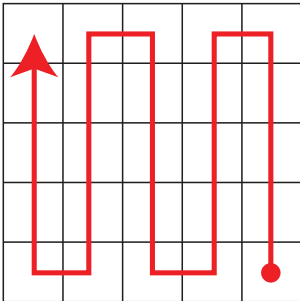
3D scan

Direction

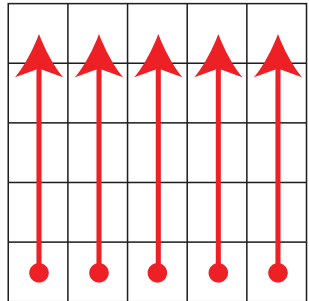
for scanning the selected area you have to walking path choises “Zigzag” and “ Parallel”.

for parallel path, after finishing each line you have to return to the first point that you started in the current line and move to the next line. then you can continue your new line steps.

for zigzag path after each scan line complete you must to move to the next line with out returning to the point that you started before.



Zigzag path



Parallel path

Soil

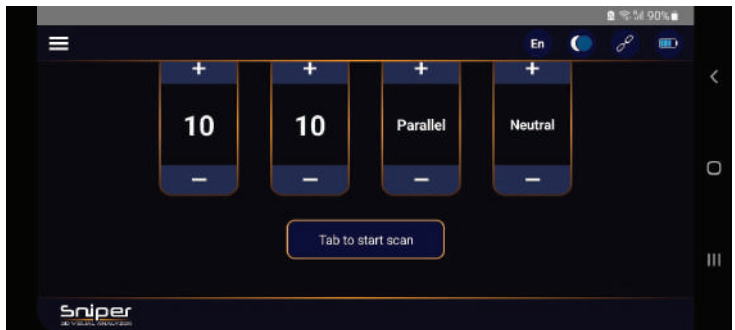
Selecting the correct type of the soil helps to make the 3D scan analyze more clear and the application can calculate the depth of the result better.

this soil types are:

Neutral, Concrete, Loam, Sand, Clay, Mineralization (Light), Mineralization (Heavy), Rocky

Scan

after finishing the settings press o the start button in the button of the page to open the scan view.



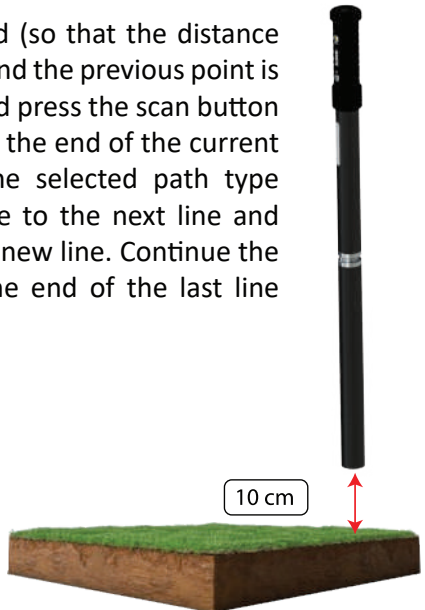
Start button

3D scan

How to use

After completing the scan settings and clicking the scan button, you entered the 3D scan page. To start scanning, first stand in the corner of the desired area and hold the device vertically on the ground and make sure that the distance between the tip of the sensor and the ground is approximately 10 cm. Note that the scanning area should be marked in an imaginary way or with a line. Then stand in the corner of the square and press the scan button on the device.

Then take a step forward (so that the distance between the new point and the previous point is approximately 30 cm) and press the scan button again. Continue this until the end of the current line. Then, based on the selected path type (zigzag or parallel), move to the next line and continue scanning in the new line. Continue the above operation until the end of the last line and the last step.



Scan view explanation

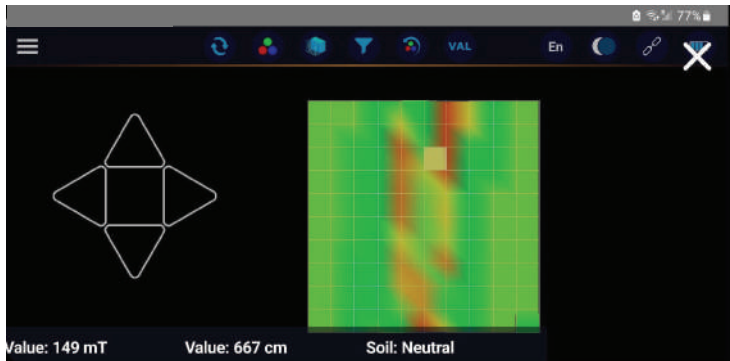
in the scan view you there are items in the top bar, helps to analyze the graph easily



Top Icon Bar



Use this option to show the depth/value of the selected cell
By click on this icon 4 arrows will appear on the 3D screen that you can use those to move the selected cell. when you choose any cell from the 3D screen the cell value and the cell depth will show on button of the screen

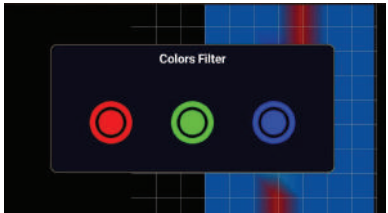


Use the X icon on top right to close this option

3D scan



Use this option to filter the color of the graph by disabling each color, the same color will be removed from the graph. To enable the color again, just click the same color circle again.



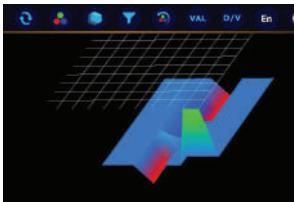
Color Filter Panel



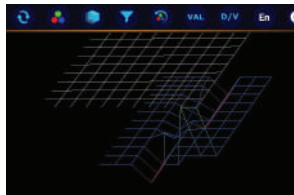
Use this option to reset the color filter.



Use this option to switch the graph style between solid and grid.



Grid mode disabled

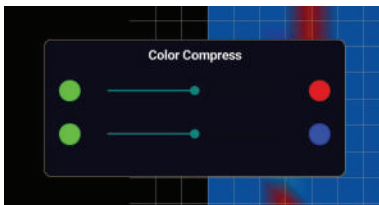


Grid mode enabled



Use this option to compress the graph color. you can compress the red or blue color to clarify possible small targets

The more you scrool the strip towards the desired color, the more the color will develop.



Color Compression Panel



Use this option to reset all graph view to default

The purpose of the three-dimensional graph is to estimate the shape of the burial and calculate its depth. Also, by calculating the difference between the values between red cells and blue cells in the graph, you can find out whether the value of the cell is valuable or worthless.


Live scan





Live Scan


The live scan system is very useful for horizontal and vertical scanning modes. For example, when the user wants to scan the walls of caves or stone walls, he can use this system.


The result of scanning with this system is a different color spectrum that is explained below.

 Blue: If there is any underground tunnel or hole, the color of the graph will change to blue.

 Light blue: If there is any tunnel or hole in a small distance from the device, the color of the graph will change to light blue.

 Green: This color represents a completely ordinary earth without any potential minerals or treasures.

 Yellow or orange: If there is any non-precious metal or a small earth size meaning, the color of the graph will change to yellow or orange.

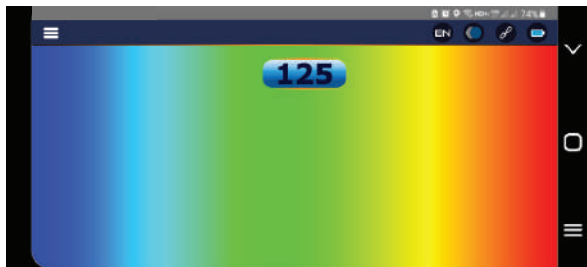
 Red: If there is treasure or precious metals below the scanned area, the color of the graph will change to this color.

How to use

This is how it works, after entering this system, place the device horizontally towards the walls behind which relics and treasures can be found and start moving the device slowly while pressing the start button. You will notice that the device only displays the result of scanning on the Android device when you press and hold the start button.

Note:

The LED light on the device changes color according to the impact of the targets on the device. And this is the color that will be displayed on the screen in the application



live scan view

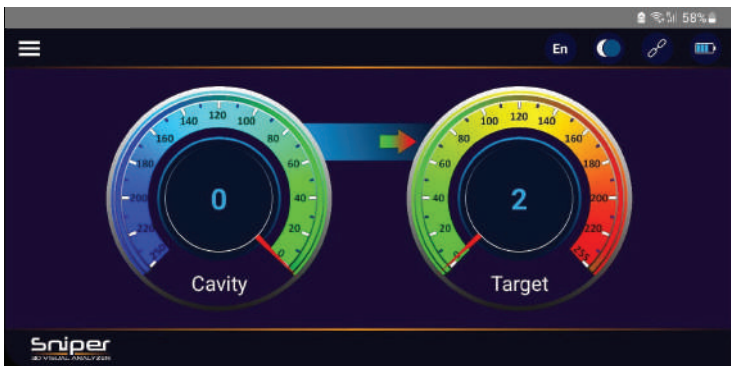
Pin Pointer



Pin Pointer

The pin pointing system is a familiar system to all professional treasure hunters. Sniper device also includes this system in order to satisfy the needs of all kind of users.

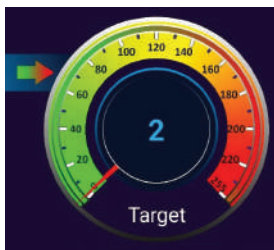
This system works in this way, when the device passes over possible targets, the intensity of the signal received from the target increases and the device displays this intensity on its screen in the target odometer. If the device moves on the cavity, the greater the intensity of being close to this cavity, this intensity will be displayed on the screen in the cavity odometer.



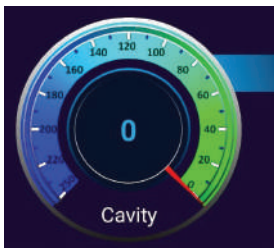
Pin Pointer View

How to use

To use this system, place the device vertically on the ground and then press and hold the scan button. By pressing the scan button, the signals received by the device are sent to the application. When the device finds a target, it shows how close it is to the target on the screen. The closer you are to the target, the higher the number will show you.



If the device finds a cavity signal, the cavity part will activate and shows the degree of proximity to the cavity.



Discrimination



Discrimination

This system determines whether the burial is valuable or worthless by sending and receiving pulses through the device sensor and analyzing the received pulses. It is recommended to use this system when excavating the burial through a 3D scanning system and to ensure the value of the burial before excavation.

How to use

After discovering the target and determining its approximate point by the 3D scanning system, enter this system through the main menu on the Android device.

Position the device perpendicular to the desired point and press the Scan button on the device (press and hold). Then start moving slowly and in one direction. A graph is displayed on the screen of the Android device, which can be analyzed to determine the buried value.

Below are examples of different diagrams.

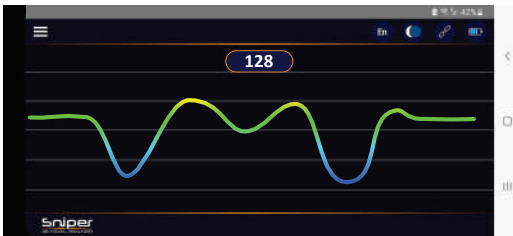
Note:

during scan the distance between the probe head and the ground must be about 10 cm

Discrimination chart explanation

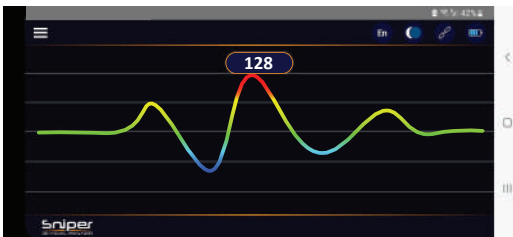
while discriminating you will see chart ganges on the scree. depends on the target type the status and the color of the chart will change.

while walking on a cavity or a tunnel, the chart shows only the blue color under the green line.



Example graph for cavity

while the device find a ferrous metals, the chart shows blue and red color on down and top of the green line.



example graph for ferrous metals

Discrimination

while the device find a non ferrous metals such as gold or silver, the chart shows only red color on top of the green line.

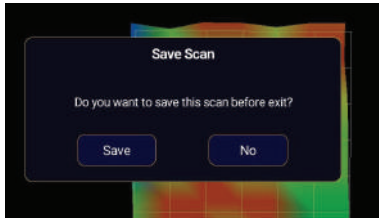


example graph for ferrous metals



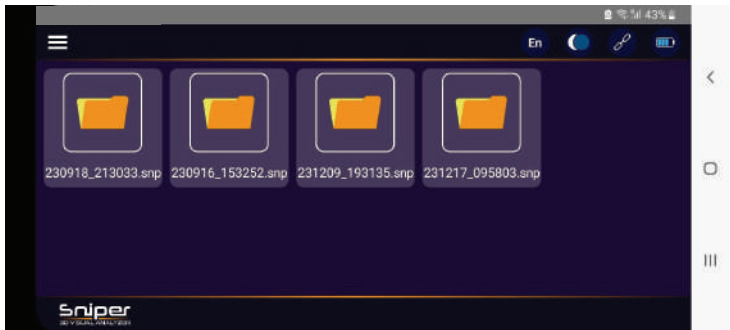
Files

After each 3D ground scan and when user exit the scan view the app ask if user want to save the scan file.



In case of the user choose yes, the scan result will save in the android device memory.

you can check this scan by entering the files.



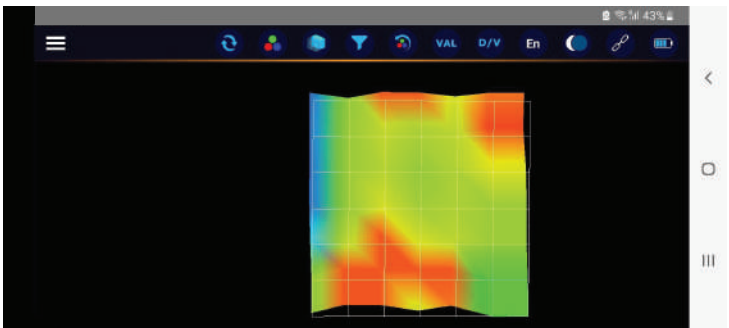
Files List View

Files

in the files view you can see all 3D scanned files. by selecting each one the file will load step by step as you scanned before.



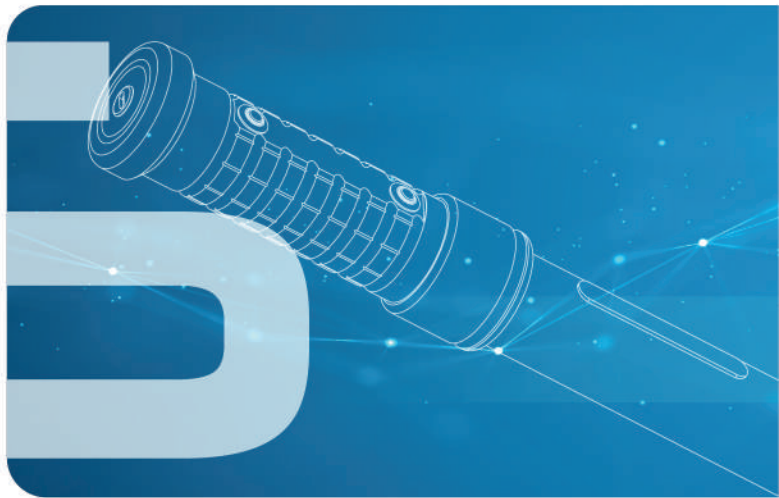
After loading complete you can analyze the scan result by the same way that explained in 3D scan explanation



Sniper

3D VISUAL ANALYZER

SNP-23400



we leading innovator in gold and metal detector technology. With a commitment to precision and cutting-edge design, we specialize in crafting state-of-the-art detectors that redefine the standard for quality and reliability in the industry.



Android System



Bluetooth Connect

www.sniperscanners.com

