

FS - Future Series®

The new eXp 5000 - a faster generation!

eXp 5000

- Easy menu navigation
- High performance- processor
- Precise sensors
- Large memory
- Exact GPS integration
- Easy handling



Integrated technology:

- Optimal device for professional treasure hunters, archaeologists and ground research companies
- Penetration depth up to 25 meters
- Detection of metals, cavities, gold and buried objects like e.g. boxes, tanks, chests, vases and others
- Discrimination of metals and precious metals
- GPS navigation can be switched on/off
- optimal menu navigation
- higher data storage capacity
- Groundscan with Livestream sensor possible
 - larger scan areas can be recorded
 - automatic antenna identification



Scope of delivery / optional equipment:

	basic	gold edition	pro
Control unit	yes	yes	yes
Joystick	yes	yes	yes
GPS receiver with cable	yes	yes	yes
External power pack with charger and travel adapter	yes	yes 2x	yes
Linkage and carrying strap	yes	yes	yes
GPR-antenna (50cm)	yes	yes	yes
Video eyewear with headphones	yes	yes	yes
Software "Visualizer 3D"	yes	yes	yes
Manual	yes	yes	yes
Peli transportation case	yes	yes 2x	yes 2x
Antenna for metal discrimination	no	yes	yes
Livestream sensor	no	yes	yes
Super sensor	no	yes	yes
GPR-antenna (25cm)	no	no	yes
GPR-antenna (75cm)	no	no	yes
GPR-antenna (100cm)	no	no	yes
Antenna for tunnel detection	no	no	yes
FS-Thermoscan for eXp 5000	no	no	yes

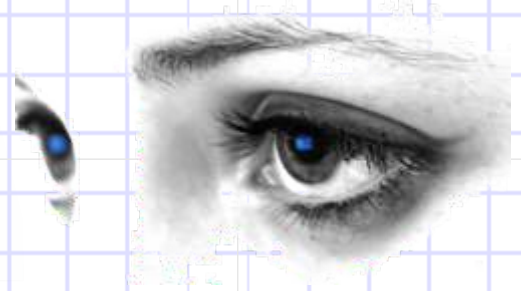
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Operating Modes

eXp 5000

Magnetometer

With an integrated magnetometer you can research the ground by using the magnetic field of the earth. This mode is very useful to locate easily small metallic objects like coins, rings etc. which are situated near to the surface. The maximal penetration depth in this mode is about 2 meters.



Ground Scan

The Ground Scan can be adjusted individually and can create a visual representation of the measured data. Max. 100 different graphical representations can be stored in the internal memory. In this mode the eXp 5000 calculates a complete scan image of the underground structure in 3d and can additionally store GPS data. The detection of voids and targets up to a depth of 25 meters is possible, as well as the determination of position and depth of located objects. Due to the automatic sensor identification and storage of the time and date of each scan, all measured data can be analysed accurately. New feature: Usage of livestream sensor in Ground Scan mode for 4x better resolution.

Metal Detector

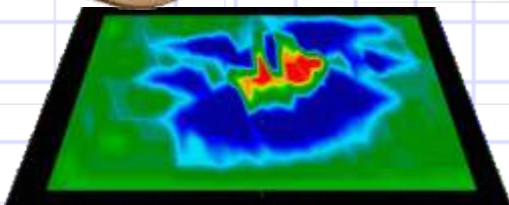
In this operating mode a powerful metal detector can be connected and so discriminate between different types of metal. This detector is optional to the basic package. A discrimination of iron, gold, silver and aluminium is possible up to a depth of 2 meters.

Discrimination

By using the Supersensor it is possible to distinguish between precious and nonprecious metals as well as cavities. The metal discrimination is possible up to a depth of 25 meters.

Thermoscan

By the help of FS-Thermoscan differences in temperature on the surface of the ground can be located. So warm and cold areas can be determined and it is possible to conclude to voids and other anomalies.



Livestream

The Livescan shows the image of the underground in real time. The scan width (horizontal) is 50 cm. By using the Livestream sensor metals and voids up to 25 meters become visible.



eXp 5000 - Accessories

GPR probes (25cm, 50cm, 75cm, 100cm)

These horizontal gpr antennas can be used for measurement in different areas to locate metals, voids, water or underwater. They are used in the Ground Scan mode to receive a 3d image of the underground. The gpr antenna 25cm is specially interesting for searchers who have to scan areas with difficult access. This smallest antenna is used for detailed research, to detect small objects.

The larger gpr antennas of 75 and 100 cm are used to scan large areas, to get a fast overview about the complete terrain.

DDV system

The DDV system is a visual detector system to discriminate between different type of metals. So it is possible to find out if there is iron, gold, silver or aluminium under the ground. This metal detector is important to avoid digging e.g. for nonprecious metals.

The metal detector finds the targets and gives the information via an audible sound over the headphones and also visually via the video goggles.

Antenna for tunnel detection

This antenna is a high resolution sensor which is specially optimized for the research and detection of hidden voids like tunnels, rooms, chests, tombs, graves and others. You can receive a 3d underground image with this antenna, where voids are represented in particular and with high resolution. The antenna for tunnel detection is a must for all seekers who want to look for cavities, bunkers, tunnel systems, tombs and graves, treasure chambers, chests, boxes or non-metallic targets like vases or hollow-ware.

Supersensor

The Super sensor can be used for high resolution ground scans (3d images) and for discriminating between ferrous (e.g. iron, steel) and nonferrous metals (e.g. gold, silver) in high depth. It is specialized on detecting precious metals and can locate small sized metals deeper than the gpr antennas. The Super sensor is an absolute must for all professional treasure seekers and gold prospectors.

Livestreamsensor

The livestream sensor allows the searcher to see live into the ground. All buried objects, voids and underground anomalies are visible in real time via the video goggles while walking over the ground.

Thermoscan

The Thermoscan is a long range device which recognizes differences of temperatures on the surface of the ground. Due to this infrared measurement it is possible to locate voids like treasure chambers or caves under the ground.

Livestream sensor

The new livestream technology is a huge progress in the history of metal detection. Many years of hard work of OKM's electronics engineers and team of specialists has been necessary to develop this unique technology and adapt its functionality to OKM's professional metal detecting instruments.

Characteristics

The Livestream sensor is especially interesting for all searchers who wants to see live what is situated under the ground. This high resolution antenna has the extraordinary functionality to produce a live image of the underground.

Live image means that the user can see immediately what is hidden under the ground, straight under this sensor. While walking over an area the searcher will see a floating picture in the video eyeglasses of the eXp 5000, which shows all underground anomalies in real time, so you can see for example buried targets such as jewelry like gold, silver, bronze or copper targets, rings, coins, gold nuggets as well as chests, gold and silver bars or voids.

Such a live scan works only together with the gold detector eXp 5000. The livestream sensor is included in the eXp 5000 pro package or can be ordered optionally to the eXp 5000 basic package.

Another advantage is the scanning possibility in all directions. Whether from north, south, east or west, you will receive reliable results in all directions. In this working mode you do not have to keep a defined scan direction. You can walk forwards or backwards over your area, to the left or right.

The livestream sensor is a 50 cm horizontal probe which is suitable for most search tasks and can be used in various ground conditions.

Features:

- Creates a live image of the underground
- Detects metals and voids
- Only usable with gold detector eXp 5000
- Scanning in all directions possible
- Compact and easy usage
- Light weight
- Horizontal antenna (50 cm width)
- 2 years warranty



Super sensor

Characteristics

The Super Sensor is a specialized antenna which offers professional metal detection features. Small metallic targets such as gold nuggets, coins, rings, jewelry and other valuable metallic objects hidden under the ground can be found easily with this antenna. Also it is very suitable to detect larger objects like boxes, bunkers, pipes, chests, gold or silver bars and other metallic masses which are buried deep under the surface or which are difficult to locate with standard GPR antennas.

Because of its integrated sensor technology it offers high resolution scans also in hard soils or mineralised areas.

The Super sensor is a 1m vertical probe, which makes it easy to work in areas with difficult access and uneven grounds.

In addition, the Super sensor (if used together with Visualizer 3d software) has an integrated discrimination possibility to discriminate ferrous and nonferrous metals up to the incredible depth of 25 meters. No other metal detector can keep up with the Super Sensors depth penetration. A discrimination control prevents the user from digging out undesirable items like nails, cans or other trash.

!Features:

- Detects metals and voids up to 25 m depth
- High resolution scans
- Specialized on detection of metallic targets
- Discrimination possibility of ferrous metals, non-ferrous metals and cavities up to 25 m depth in combination with Visualizer 3d Software
- Lightweight
- Easy, comfortable handling
- Measures 100 x 10 x 10 cm
- 2 years warranty



The Super sensor is optional available to many OKM devices.



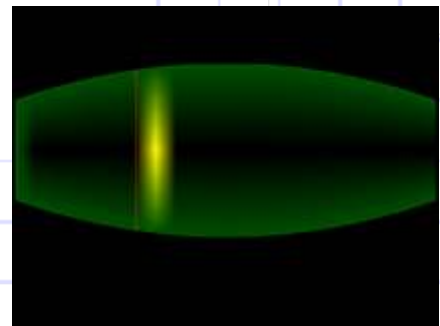
DDV system

Characteristics

With the DDV System a powerful metal detector is at your disposal, which supports your research for hidden targets. This additional equipment is designed to meet all requirements of a professional treasure hunter.

The detector locates both ferrous and nonferrous metals but is mainly used to find small pieces of metal which are located near to the surface, such as coins, rings, nuggets and others.

Due to this metal detector you can not only find buried items, you can even find out about the type of material of which a buried target is made off. Because of the adjustable regulator on the small control unit of the detector itself, it is possible to select the type of metal, on which the detector should react. So for example you can adjust the detector to show only silver targets and to filter out e.g. iron. Materials like iron, gold, silver and aluminium can be selected.



By using the sensibility regulator the detector can be adapted to the current ground conditions and optimised to reach high depth penetration also in difficult soils.

The DDV System can only be used together with the devices Localizer 3000, eXp 4000 and eXp 5000 as an optional upgrade. The detector system has to be connected to your measuring instrument to get an audible and visual representation through your device. Besides sending out an acoustical signal via the headphones, you will also see a visual representation on the display of your measuring instrument (minimonitor / video eyeglasses) when passing over a target.

The DDV System needs no additional battery, it gets his power from the connected measuring instrument.

This lightweight but powerful DDV system is a must for all treasure hunters.

FS-Thermoscan

The Thermoscan can be used as a stand-alone unit or in combination with the eXp 5000.

Characteristics

The Thermoscan stands up for its easy usage and compact design. Create high resolution 3d graphics of the underground by measuring the differences in temperature on the surface of the ground.

Advantages:

If connected to the eXp 5000 clear high quality thermographic scans of the inspected terrain

Representation of cavities like graves, tombs, tunnels, caves, chests, bunkers etc.

Integrated laserpointer for selective pinpointing

measurement of differences in temperature in areas with difficult access like e.g. forest or hillside situation

