FS - Future Series®

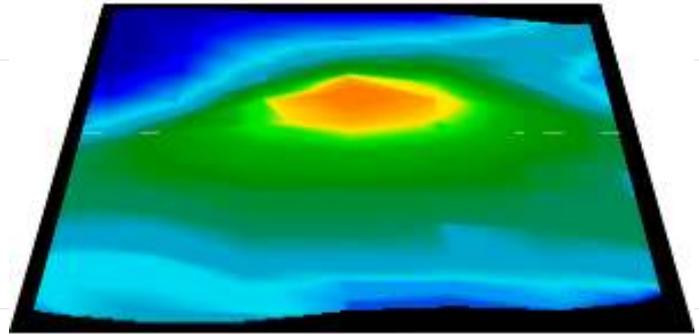## Made in Germany

eXp 4000

Geophysical Instrument

Prospection of Archaeological

FS - Future Series®

eXp 4000

The eXp 4000 is the successor of eXp 3000, which was the most sold device in 2005. Because of the usage of an advanced technology it's the Mercedes under the earth imaging instruments.

New *Design*
Upgraded *Processor*
Better *Sensors*
More *Power*
Accurate *Detection*

Integrated technology:

- Most suitable device for professional treasure hunters and archeologists
- Measuring depth up to 25 meters
- Detection of metals, cavities, gold nuggets and burried objects like boxes, chests, vases, tanks etc.
- Discrimination of metals
- Improved handling and menu navigation
- Integrated advanced sensors for better resolution of underground image

Scope of Delivery

Description	Basic	Gold	Pro
Control unit	YES	YES	YES
software ("Visualizer 3D") with data cable	YES	YES	YES
GPR-antenna (25cm)	YES	YES	YES
Headphones	YES	YES	YES
Joystick	YES	YES	YES
Power Pack incl. charger and travel adapter	YES	YES,2x	YES
Telescopic rod assembly	YES	YES	YES
User's manual	YES	YES	YES
Waterproof and shock resistant Peli case	YES	YES	YES
Super senor	NO	YES	YES
DDV, Disc Detector Visualization System	NO	YES	YES
Antenna for tunnel detection	NO	NO	YES
FS-Thermoscan	NO	NO	YES
GPR-antenna (100cm)	NO	NO	YES
GPR-antenna (50cm)	NO	NO	YES
GPR-antenna (75cm)	NO	NO	YES

(Equipment with „NO" - is optional deliverable)
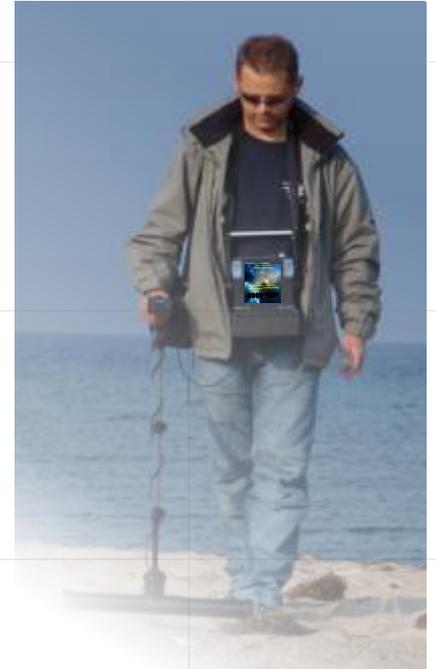
FS - Future Series®

eXp 4000

Integrated Operating Modes

Magnetometer

With an integrated magnetometer you can research the ground by using the magnetic field of the earth. This mode is very usefull 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

Ground Scan is a measuring method with graphical evaluation. In this mode the device will create a complete image of the underground in 3D. Detection of objects and cavities up to 25 meters as well as determination of position and depth of objects is possible.
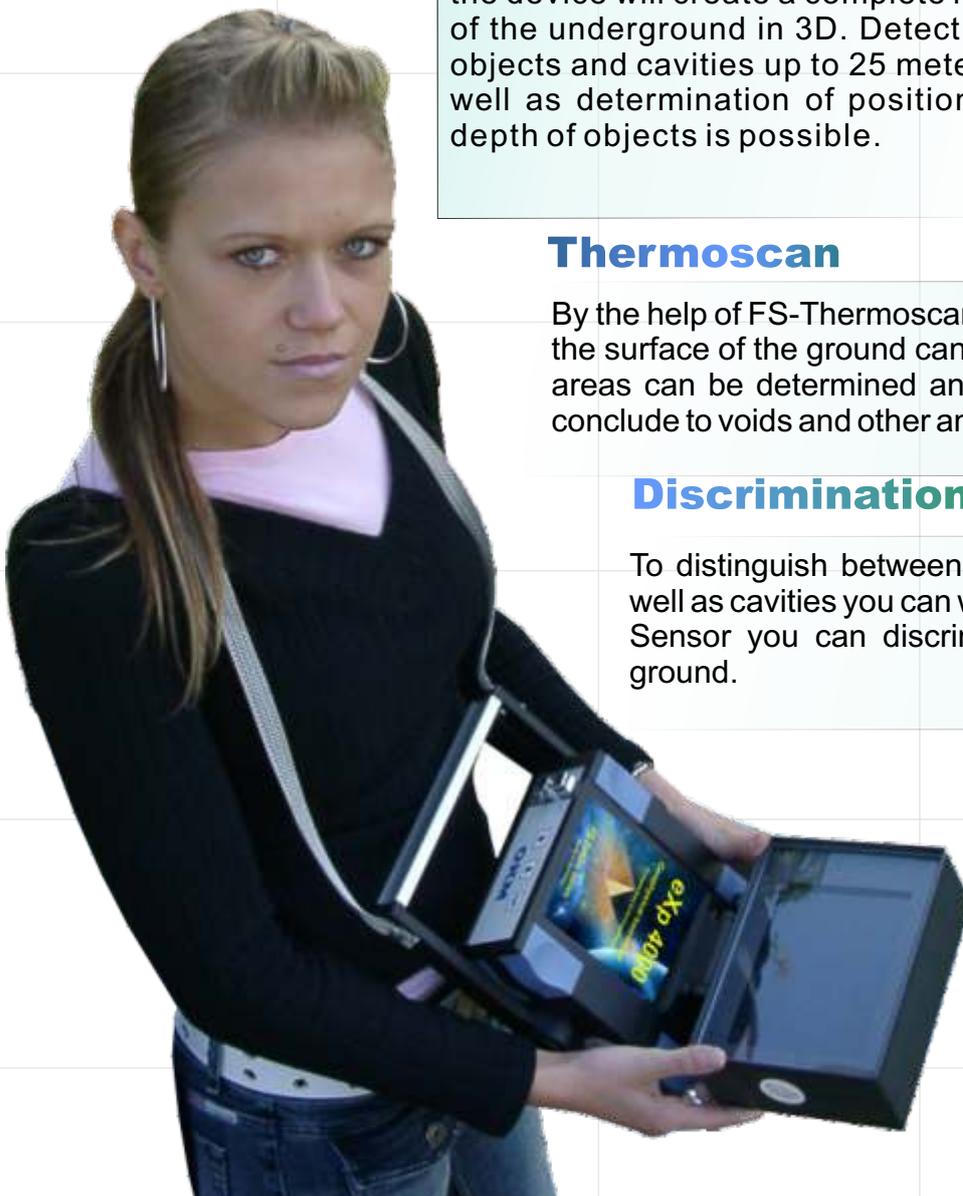
Thermoscan

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 conclude to voids and other anomalies.

Discrimination

To distinguish between ferrous and non-ferrous metals as well as cavities you can work in this mode. By using the Super Sensor you can discriminate up to 25 meters under the ground.

Metal Detector

In this mode you can work with a powerfull detector system to find out exactly what type of metal is under the ground. This detector can be purchased optional. Discrimination between iron, gold, bronze, silver and aluminium is possible up to 2 meters depth.

eXp 4000 - Accessories

GPR antennas (25cm, 50cm, 75cm, 100cm)
These horizontal gpr antennas can be used for ground scanning in different areas to locate metals, voids or water. They has to be connected to the metal detector main unit and are used in the Ground Scan mode to receive a 3d image of the underground. The gpr probes are available in different sizes which optimize scanning in different conditions. The gpr antenna 25cm is specially interesting for searchers who have to scan areas with difficult access like for example in the mountains or in the jungle, where are many bushes, stones or trees. The larger gpr antennas with a length of 75 and 100 cm are used to scan large areas and flat ground, to get a fast overview about the complete terrain.

DDV system
The DDV system is a visual metal detector system to discriminate between different materials. This antenna for metal discrimination can be used to find out if there is iron, aluminium, gold or silver situated under the ground. This probe is specially interesting for gold seekers and prospectors. This powerful metal detector is useful to avoid useless digging. The metal detector find the targets and give the information via a audible sound over the headphones and also visually via the monitor of the eXp 4000.

Antenna for tunnel detection
This probe is a high resolution sensor which is focused on 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 particulary and with high resolution. The antenna for tunnel detection is a must for all seekers who wants to look for cavities, bunkers, tunnel systems, tumulus, 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. steel, iron) and nonferrous metals (e.g. gold, silver) in high depth. This one meter vertical probe is specialized on detecting precious metals and can locate small sized metals deeper than the gpr probes. The Super sensor is an absolute must for all professional treasure hunters and gold seekers.

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

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

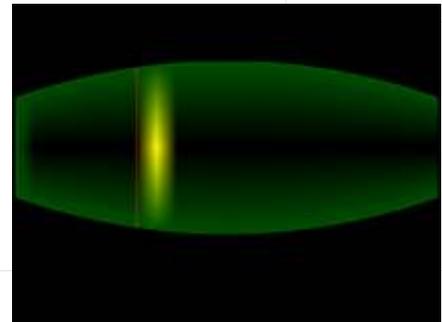The Super sensor is optional available to many OKM devices.

OKM Ortungstechnik GmbH
Manufacturer of geophysical instruments.

www.okmmetaldetectors.com
OKM reserves the right to make changes without notice.

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.

OKM Ortungstechnik GmbH
Manufacturer of geophysical instruments.

www.okmmetaldetectors.com
OKM reserves the right to make changes without notice.

FS-Thermoscan

**The Thermoscan can be used as a stand-alone unit
or in combination with the eXp 4000.**

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 4000 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

OKM Ortungstechnik GmbH
Manufacturer of geophysical instruments.

www.okmmetaldetectors.com
OKM reserves the right to make changes without notice.