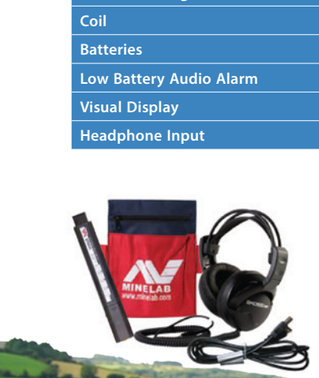
Technical Specifications

Transmission Technology	Full Band Spectrum (FBS) Multifrequency Technology
Microprocessor	32bit, 48MHz microprocessor – fast and powerful
Connectivity	USB connector for communication with Personal Computer
Software	Intuitive User Interface; Fast Target processing; Multi-language functionality
QuickMask™	Fast and Easy adjustment of Ferrous and Conductivity Discrimination
Depth Gauge	Accurate Gauge active in Normal detecting and Pinpoint mode
Noise Cancel	Automatic & Manual selection of 11 channels
Pinpoint	Non-motion with modulated audio and visual Crosshair on LCD, 2 Modes – Normal and Sizing
User Modes	4 Minelab Modes and 4 My Modes
Discrimination	2 Dimensional Smartfind™ Discrimination
Target Identification	2 Dimensional Smartfind™ Size / Conductivity and Ferrous characteristics Conductivity 1-50, Ferrous 1-35
Sensitivity Adjustment	Fully Automatic; adjustable to be more aggressive or conservative, Manual Setting 1-30
Sensitivity Gauge	Auto Level, Manual Level, Suggested Level
Threshold	Fine adjustment level from 1-50
Audio Response	4 Settings: Normal, Long, Smooth, Pitch Hold
Tone ID Number of Tones	1, 2, 4 and Multi-tone; customizable for Conductivity or Ferrous response
Tone ID Variability	30 adjustable steps for better Target Identification
Recovery Speed	Selectable Fast & Deep
Trash Density	Low for areas with isolated targets or High, for areas with more trash
Ground Balance Modes	Auto Ground Compensation - Advanced Digital Filtering
Ground Settings	Neutral for most ground conditions, Difficult for more mineralized soils
Coil	Ultra-lightweight 11" Double D (DD) waterproof coil
Batteries	1600 mAh NiMH or Alkaline batteries
Low Battery Audio Alarm	Audio and visual indication
Visual Display	Large 3.4" (8.65cm) greyscale LCD panel with Contrast adjustment and Backlight
Headphone Input	¼" 100Ω Stereo Jack

Accessories

8" FBS Coil	Koss UR-30 Headphones
11" & 8" Skidplates	RPG Headphones
Sealed 1600mAh NiMH Battery Pack	Control Box Environmental Cover
Sealed 1800mAh NiMH Battery Pack	Detector Carry Bag
AA Alkaline Housing Battery Pack	Minelab Tool & Trash Bag
Carbon Fiber Lower Shaft	Mains Charger
Tall Man Lower Shaft	12V Car Charger



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We Change People's Fortunes

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E-TRAC

The evolution of discovery...

FBS# **Smartfind**

World's Best Metal Detection Technologies

MINELAB

E-TRAC

Minelab's most technologically advanced detector sets a new benchmark for the industry!

E-TRAC is Minelab's most technologically advanced detector, incorporating unique Full Band Spectrum (FBS) Technology. Its sleek, sturdy design, innovative control panel, intuitive menus, clear LCD, robust lightweight coil and comprehensive targeting options set E-TRAC apart from any other detector available today.

Minelab has taken a further ground breaking step by incorporating a USB interface, which will allow you to download and upload E-TRAC settings, User Modes and Discrimination Patterns using your own Personal Computer.

E-TRAC will locate valuable metal objects in a variety of mineralized ground conditions such as extremely salty soils, sea water, wet beach sand and highly magnetic ground conditions. By using the E-TRAC you can become one of the many successful detectorists who combine their passion for the outdoors with the excitement of discovering valuable coins, relics, gold and jewelery on a regular basis.

E-TRAC Technology

E-TRAC delivers Full Band Spectrum (FBS) with Simultaneous Frequencies ranging from 1.5kHz – 100kHz through its powerful microprocessor. The frequency range means that the signal received from the detector coil is analyzed from a wide range of responses. This allows E-TRAC's advanced signal processing to rate detected objects according to their ferrous and conductivity (FE-CO) characteristics and analyze more target information so that the target identification (ID) is more accurate.

Minelab's Smartfind™ is a unique two-dimensional scale of discrimination. Smartfind™ graphically represents both the ferrous and conductivity properties on the same display. This, combined with E-TRAC's target Discrimination ability eliminates signals from undesired targets and accept signals from desired targets. E-TRAC's technology means:

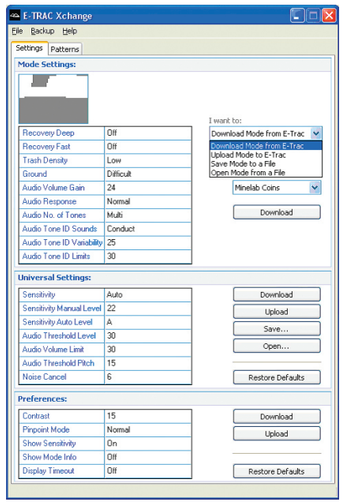
- *Greater detecting depth*
- *High sensitivity over a wide range of targets*
- *Less interference from electromagnetic sources*
- *More accurate identification of target characteristics*

E-TRAC Xchange

E-TRAC Xchange allows you to download and upload detector settings and Discrimination Patterns via USB to your Personal Computer.

This advanced feature is designed to allow you to quickly configure the E-TRAC to particular detecting environments and preferred targets. You can always share your experiences and settings with other detectorists. The installation CD and Xchange User Guide supplied with your E-TRAC ensure you can get started straight away.

You can build a resource library charting your success with your E-TRAC. Download and store your valuable Settings and Patterns for your favorite sites and upload them as required. There's no limit to the number you can store on your PC so make the most of your E-TRAC and never worry about losing your successful settings again!



LCD Screen
Large LCD with high-resolution greyscale graphics and backlight for clear viewing in all light conditions.

USB Port
Connection to Xchange on your Personal Computer allows you to save your settings and share with others.

FE-CO Numbers
The Ferrous (Fe) and Conductive (Co) properties of a detected target are shown, Fe range from 1–35, Co range from 1–50.

Sensitivity Gauge
The left hand bar shows either Auto or Manual level with the numeric Sensitivity value above the gauge. The right bar is the 'suggested' Sensitivity.

Smartfind™ Window
Two dimensional scale of discrimination on the same display. SmartFind gives you an easy recognition of target position.

Navigation Buttons
Used for adjusting settings in Detect Screens and navigating the Menu.

Menu
Access to User Modes, Discrimination Patterns and Settings, allowing quick and simple adjustments.

Mode Information Icons
Indicate the Mode you have selected.

Depth Gauge
Represents the approximate depth of a target. The range, from top to bottom, is 0 to greater than 12" (0–30cm plus).

QuickMask™
Allows you to adjust the Ferrous and Conductivity rejection levels independently of the current Discrimination Pattern. This allows a fast and simple way of editing Patterns.

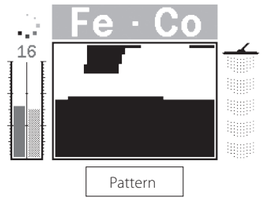
Noise Cancel
Minimises interference in the current environment and can be changed automatically or manually.

Accept/Reject
Accept or reject any target that you find and modify the discrimination pattern to accept or reject all similar targets.

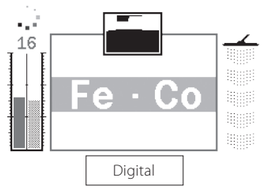
Detect
Use to switch between the Pattern or Digital Screen.

Pinpoint
Assists you in locating the exact position of a detected target. There are two different pinpoint modes; Normal and Sizing.

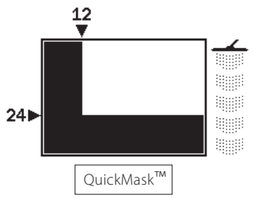
Detection Screens



Target information is presented to you via the Smartfind™ Discrimination Pattern, Sensitivity Gauge, FE-CO numbers and Depth Gauge.

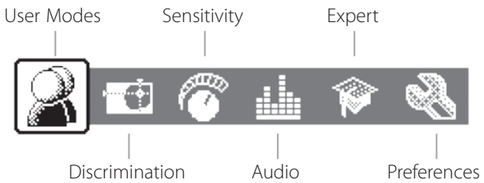


Large FE and CO numbers coordinates of the Target Crosshair are displayed.



QuickMask™ has two slider controls to adjust the level of Ferrous and Conductivity discrimination.

Easy to Use Menu



Menu Features:

A selection of preset User Modes (Coins, High Trash, Beach, Relics) and space to save your own personalized User Modes.

The Discrimination Menu to Select, Save, Edit and Combine Discrimination Patterns.

Auto Sensitivity to show your Sensitivity selection as well as the 'suggested' Sensitivity, as determined by the detector, relative to ground conditions.

The Audio settings control the types and levels of sounds emitted by the detector while detecting and when a target is found.

A specialist Menu of advanced settings and functions such as Recovery; Trash Density; Ground Setting and Noise Cancel to maximize performance.

The Preferences Menu to change the appearance of E-TRAC's Detection Screens.

"E-TRAC is dead on! The icon connects in the center when the center of the coil is over the target and it makes it very easy and accurate to pinpoint targets even with trash nearby. ….gets an A+ for sure."

Minelab Field Tester