

RAMAC GPR Monitor

THE ALTERNATIVE TO A LAPTOP FOR BETTER VISIBILITY AND USE IN ROUGH WEATHER CONDITIONS

The RAMAC Monitor is designed with a new user interface, easy to learn and simple to operate even under extremely tough conditions.



The unit does any kind of data acquisition with the CUII, X3M or X3M Corder and the RAMAC shielded antennas. Designed on a Linux platform the unit starts up quickly and has very low power consumption.

Equipped with a simple control button "turn and push" and a full size transreflective TFT colour screen the RAMAC Monitor visualizes your data even in strong sunlight and operates under extremely rough weather conditions.

The RAMAC Monitor offers a number of advantages over a standard laptop.

- This user interface is a compact, rugged and weatherproof monitor
- It also meets IP67 environmental protection
- Will operate within -20 to +50 Celsius.
- Has a full size transreflective TFT colour screen with 640 x 480 pixels.
- The screen is fully visible in sunlight thanks to its trans-reflective
- No keyboard needed as it is a one-button operation (turn and push).
- System can be operated with gloves.
- Display can also be operated with its backlight.



Designed to facilitate user interface

- Fully compatible with the RAMAC/CUII/X3M and Corder unit and all its shielded antennas (100, 250, 500 and 800MHz).
- Performs automatic antenna frequency detection
- Includes internal flash memory storage media (256 Mb).
Allows fast dump of measured data through USB device (for example external Flash cards), which gives unlimited storage capability.
- Firmware is upgradeable via Internet.
- Firmware is also designed on Linux platform to improve performance and reduce interruption.
- Speeds up start-up (approximately 30 seconds) for first measurement.
- Automatic on-line filters and simple filter settings are available for easy operation and data interpretation in the field.
- Built-in function for direct velocity calibration for a known target depth.
- Powered with external 12 VDC (9-14V) for flexible power solutions.
- Powered with the same Li-Ion battery as the X3M. (12 Ah allows for a total operating time of 5 hours for the complete GPR sys-tem, Note: Can vary depending on settings and temperature variations.)
- X3M GPR battery status provided by the display.
- Built-in Surface marker function.
- Built-in Target marker function (this is a marker on sample level)
- Built in GPS support to acquire GPS data from serial NMEA format.
- Quick selection of three different operation depths (shallow, medium and deep) easily adjustable by the operator.

