



## RAMAC GPR Monitor

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

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 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.

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### 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 system, 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.

