First Bluetooth Echosounder

The SonarMite Echo Sounder is the result of nearly two years research and development resulting in a series of equipment designed around the WinSTRUMENT concept and using the latest portable computers, integrated with new measurement technologies.
The SonarMite extends the idea of a rugged design and minimalist interface to produce a 'Blue Box' system in which the user interface is provided by integrated software running on a portable computer connected via a Bluetooth link. The use of wireless technology enables the instrument to be waterproof and capable of use in a hostile environment, while the more sensitive computer features may be located in a more user-friendly environment up to 50m away from the instrument.
The SonarMite employs the same 'smart' integrated transducer technology used in the SonarLite system; in addition to highly reliable bottom tracking algorithms using DSP techniques the system also outputs a quality value associated with every depth measurement made. A new feature of the SonarMite is the inclusion of a six-axis solid-state accelerometer with calculated output of integrated Heave, Pitch and Roll measurements. The software has been updated to SonarXP.
In addition to the standard post-processing and editing features found in the SonarLite software, the program now includes ex-tended features to implement the additional measurements produced by the SonarMite, such as Heave calibration/compensation. Software for the 'front end' of the SonarMite is available to run on a wide range of devices, from Pocket PCs through to the full range of desktop systems running the Windows operating system.

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