

OMEGA Analyzer



Model : A20316

The OMEGA is a powerful computerized system, designed to monitor and analyze the electromagnetic environment. It can be used for a continuous automatic monitoring in premises to detect new signals (threats). High resolution and sensitivity combined with high scanning speed, allow to detect any suspicious source of electromagnetic radiation in the frequency range from 10 kHz to 21 GHz. Scanning speed can be up to 100 MHz/sec with 2 kHz resolution. Original algorithm of spatial localization of suspicious sources of radiation, based on remote antennas, enables to detect signals from micro transmitters regardless of their modulation and coding. Digital vector analyzer, being an integral part of the system, is very useful to identify eavesdropping devices. It records transient, spectral and modulation characteristics of signals, including impulse and single ones, which are used in spread spectrum frequency hoppers and systems with time division channeling. The OMEGA software allows to accomplish all the principal tasks of radio monitoring, such as: to monitor the preset bands or single frequencies, to detect suspicious signals, to measure their parameters, as well as to classify the detected signals according to various criteria and to store them. Main changes in the software aim to upgrade the algorithm of fixing the location of the radio-transmitters, and for the user's convenience. This modernization improved its operating reliability and stability on a 24 hours basis. The OMEGA can be used to set up a stationary or mobile radio monitoring post. It is assembled in a durable waterproof case, specially designed for transportation of electronic devices. The OMEGA hardware can be modified to accomplish specific radio monitoring tasks. Main competitive advantages:- Rapid scanning · High sensitivity · High resolution · Perfect analysis and identification of signals

Price : € 24.999,00