TEMS™ Pocket Remote

Handheld Test Device for TEMS™ Automatic (GSM/GPRS/EDGE/WCDMA/HSDPA)

The TEMS Pocket Remote package expands the measurement capabilities of the TEMS Automatic solution. Each TEMS Pocket Remote is a TEMS terminal-based test probe used for quality assessment.

This new test unit enables operators to monitor areas of the network where it is difficult for vehicle-based MTUs to obtain measurements. By placing handheld test probes in the hands of users moving throughout the network, operators can get a true picture of network quality from a user's perspective. This gives operators the ability to troubleshoot and improve the network and also supports the making and marketing of service level agreements based on network quality.

TEMS Pocket devices are commercial handsets to which autonomous network monitoring capabilities have been added. The phone device can be used as your everyday phone and also do autonomous testing.

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TAKING YOU FORWARD

Like the traditional Mobile Test Units (MTUs) used with TEMS Automatic, TEMS Pocket Remote is controlled from a TEMS Automatic back-end server. From the main console, the operator can send test instructions over the air interface to groups of devices. Logfiles are created based on these instructions until they are changed. The test instructions can be changed at any time from the operator's console, giving the operator complete control of the type and frequency of the tests.

TEMS Pocket Remote performs its measurements automatically, with no action required by the person using the handset. Testing is invisible, taking place in the background with a minimum of impact on the user.

For positioning, the phone device uses an integrated GPS or an external GPS. If positioning is not available TEMS Automatic will use Cell Id to display the measurement information.

TEMS Pocket Remote is fully integrated into TEMS Automatic, using the same interface mechanisms for uploading and downloading data and presentation of measurement results. The data collected by TEMS Automatic using the TEMS Pocket Remote can be used for analyzing trends, optimizing networks, benchmarking competitors, and verifying quality as experienced by the users.

Radio and network parameter information is presented, along with end-to-end service testing. The information can be used by different groups within an operator's organization to improve the overall service quality.

The handheld devices provide the opportunity to measure quality from an end-user's perspective more closely than ever before, while at the same time providing details necessary for later troubleshooting.

Adding TEMS Pocket probes to the TEMS Automatic solution increases the system's capacity to monitor network quality. It opens up new ways of effortlessly collecting data from anywhere in the network. It is a simple new way to use TEMS Automatic to test from a user's perspective. With handheld devices for quality monitoring, TEMS Automatic is even more accurate and cost-effective for operators hoping to maximize network quality.

TEMS Pocket collects and uploads network data while working as normal handsets. This allows TEMS Automatic to truly test network quality from a subscriber's perspective.

TEMS Pocket Remote specifications

Feature	TEMS Pocket 6.3 Remote	
Mobile phone	Sony Ericsson W760i	Sony Ericsson C702
Positioning	Integrated or external Bluetooth GPS	Integrated or external Bluetooth GPS
Testing capability	Voice, Idle, Http, FTP data, E911 testing	Voice, Idle, Http, FTP data, E911 testing
WCDMA band	850/1900/2100 MHz	2100 MHz
GSM/GPRS/EDGE band	850/900/1800/1900 MHz	850/900/1800/1900 MHz
Control capability	RAT, (PS) Bearer, Band, Preferred voice codec	RAT, (PS) Bearer, Band, Preferred voice codec

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