

For RF and System Performance Engineers



The ZK-MPS integrates a high performance, multi-technology Comarco Seven.Five Prizm scanner to provide high precision scanning data for benchmarking, coverage analysis, propagation predictions, frequency and PN planning and interference analysis.

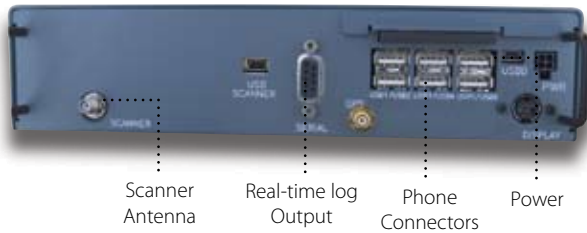
In addition to the scanner, up to five phones can be connected to the ZK-MPS to simultaneously perform measurements on multiple systems, frequency bands or technologies. Your choice of scanning options allows the capability you need at the price point you desire.

The ZK-MPS is an extremely rugged piece of equipment. It has no moving parts and can operate in extremely cold as well as hot, humid environments. ZK engineers specifically select industrial grade components. We don't cut corners when it comes to reliability. All new designs are environmentally stress tested for shock and vibration at a certified laboratory.

The ZK-MPS is a versatile tool that can be used to troubleshoot, monitor, design, optimize and benchmark wireless networks.

ZK-MPS

High Performance Scanning, Optimization and Benchmarking



If the Engineer imports custom cell site names the ZK-MPS will display the name of the cell/sector that corresponds with the serving channel as well as the neighbor channels. Up to 5,000 names can be imported. If more than one cell site name has the same channel number, BSIC or PN then the ZK-MPS compares their locations with the current location of the ZK-MPS and chooses the closest one.

The ZK-SAM display module is custom designed to be used in the vehicular environment. The transfective display can be viewed in direct sunlight or when it gets hot or cold. For night driving the backlight can be adjusted down. The buttons are also backlit and custom designed to provide instant feedback. The number and placement of the buttons allow the user to safely operate the unit and keep their eyes on the road.

Data is logged to an industrial grade Compact Flash card. It is stored in standard ASCII text format and can be imported by third party applications as well as ZK's CellMap (MapInfo plug-in), EZ2Map and RMS Server software.



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Features

- Heads-up Color Display
- Integrated High Performance, Multi-technology Comarco Seven.Five Prizm scanner
- Multi-technologies
CDMA, GSM, 1xRTT, EvDO, GPRS/EDGE, UMTS/WCDMA, HSDPA, HSUPA, iDEN
- Multiple Phones - up to 5
- Voice and Data Testing
- Wireless modem for autonomous upload to server
- Audible Alerts and Replay
- Import 5,000 Cellsite Names
- Integrated GPS Receiver
- Phone Autodial and Control
- Compact Flash card for storage
- Log data compatible with:
MapInfo (CellMap plug-in)
MS MapPoint (EZ2Map)
RMS Server
Actix Analyser
Xceed WindCatcher & Vortex
MS Excel
Applications supporting
ASCII import

Hardware Specifications

Dimensions/Weight:

Controller:
9.125"W X 2.1"H X 10.5"D
3lbs 7.3oz
Display:
6.25"W X 3.40"H X .83"D
0.42lbs

Temperature (operational):

-20C to +60C

Maximum Operational Humidity:

0 to 95% Relative – Non Condensing

Power Requirements:

12VDC +/- 3VDC @450mA

Vibration:

Tested for continuous high vibration environments

GPS Receiver:

16 Parallel Channel,
Continuous Tracking
Accuracy: +/- 5 meters
Update Rate: 1 Hz

Comarco Scanner:

Temperature (operational):
-30C to +70C
Maximum Operational Humidity:
0 to 95% Relative – Non Condensing
Power Requirements: 9 – 18 VDC: 12-20
Watts (Supplied from Unit)
Shock: Tested in accordance with
MIL-STD-810E
Vibration: Tested in accordance wit
MIL-STD-810E