

Wireless

3500 Portable Radio Communications Test Set

AEROFLEX
A passion for performance.



The Aeroflex 3500 meets the needs of a variety of vehicle radio tests and commercial radio applications within the 2 MHz to 1 GHz frequency range.

- Easy portability - weighs only 8.5 lbs. (3.9 kg)
- 5 hour battery life
- 2 MHz - 1 GHz operation
- Rugged construction
- -10° to +50° C operating temperature range
- Built-in generator and receiver to 1 GHz
- AM/FM transmitter tests
 - RF power
 - RF frequency error
 - AM modulation / FM deviation
 - Receive Signal Strength Indicator (RSSI)
- AM/FM receiver tests
 - Distortion
 - SINAD / Sensitivity
 - Two audio generators provide 150 Hz squelch tone for modern FM radios
- VSWR tests for cable and antenna testing
- Software defined features allow field upgrades
- Handset and antenna to be able to perform "Talk Test"

The Aeroflex 3500 is a brand new Aeroflex Radio Test Set with the latest in portability, battery life and performance. The Aeroflex 3500 Radio Test Set builds upon Aeroflex's expertise in developing portable Radio Test Sets with exclusive features and affordability that are destined to set a new standard in portable radio test sets. The 3500 is capable of measuring high power (20 watts without an external attenuator, up to 200 watts with an external attenuator option), as well as finding faults in antennas, power amplifiers and interconnects. The 3500 meets the needs of a variety of vehicle radio tests, as well as commercial radio applications. With extensive operational capability, the 3500 provides portable test features that are typically found in bench top radio test equipment.

Portable and Rugged

The 3500 Radio Test Set was designed from the ground up to be portable and rugged, weighing in at only 8.5 lbs. including the battery. It has a solid aluminum weatherproof case, an operating temperature range of -10° to +50° C, and rugged construction specifications for humidity, altitude, shock, and vibration. The battery gives the user 5 hours of operation and can be fully re-charged and ready to operate in only 4 hours. In addition, the 3500 and the optional accessories can be stored in a ruggedized transport case.

Quick Drive By Testing To Isolate Radio Installation Failures

Designed to be used for quick Drive By Testing, the 3500 can efficiently and easily find radio failures. There is no need to connect to the radio under test, simply connect the supplied antenna, key up the radio and then measure the radio parameters over-the-air. A handset is provided to check voice quality of the transmitter and receiver.

Isolate Cable and Antenna Problems

Since many radio faults lie in the cabling and/or antenna and not with the radio, the 3500 includes the capability to measure the VSWR of