

Brochure

VIAVI

ALT-9000

Universal Radio Altimeter Flight Line Test Solution

Versatile, time-saving, portable test set for all types of radio altimeters.

The VIAVI ALT-9000 is a portable radio altimeter flight line test set that utilizes fiber optic delay to allow it to work with all types of radio altimeters. The ALT-9000 tests the complete radio altimeter system, allowing the operator to isolate a problem to the antenna, coax, LRU or indicator. This eliminates unnecessary LRU swaps or other system component replacements.



Features

- Tests all types of radio altimeters, including LPI variants
- Direct-connect at the UUT TX/RX connectors or at the aircrafts TX/RX antennas via antenna couplers
- Fast detector for tracking LPI radio altimeters with TX power management
- Software upgradeable
- Parametric measurements of TX power/frequency/pulse width/FM deviation/PRF for most radio altimeter types
- Large touchscreen display

Benefits

- Perform complete closed loop system tests
- Replicate in-flight conditions
- Isolate faulty components of the installed system
- Create profiles for dynamic altitude simulations
- Simulate 5 ft* to 10,000 ft in 5 ft increments (Extended Range Option: Simulate 16,000 ft and 25,000 ft as discrete altitude selections)

Applications

- Simulate static or dynamic altitudes to support testing of TCAS and GPWS/TAWS aircraft systems
- Test RX sensitivity of the radio altimeter

*Minimum altitude dependent on interconnecting cables.

Ordering Information

Versions and Options

Order Number	Description
ALT-9000	ALT-9000 Radio Altimeter Test Kit
ALT-9000OPT1	16K and 25K ft Extended Range

Standard Accessories

22151020	ALT-9000 Radio Altimeter Test Set
22153534	Transit Case
67374	Power supply
62401	Cable, TNC-TNC, 12" (Loop Back)
38353	TNC-TNC adapter (qty 2)
139139	Antenna coupler (qty 2)
139152	Antenna coupler pole set (qty 2)
22153321	Coax, RG400, TNC-TNC, yellow 4'
22153326	Coax, RG400, TNC-TNC, red 4'
22153329	Coax, RG400, TNC-TNC, yellow 20'
22153332	Coax, RG400, TNC-TNC, red 20'
112036	Attenuator, fixed 20 db (qty 2)
62302	Power cord, U.S.
64020	Power cord, European
22149666	Operation Manual (CD)
22149658	Getting Started Manual

Optional Accessories

ALT-9000-MM	Maintenance Manual
-------------	--------------------

Physical Characteristics

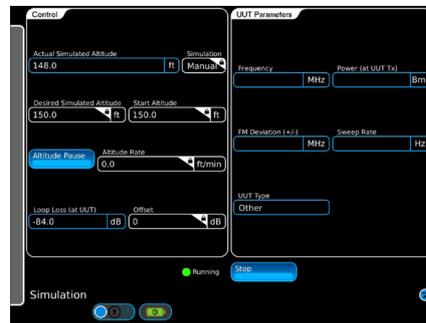
Size	
Test set case	8.4 in H x 18.6 in W x 16.3 in D 21.4 cm x 47.4 cm x 41.5 cm
w/standard transit case, or accessory case	16.4 in H x 33.7 in W x 28.5 in D 41.6 cm x 85.6 cm x 72.4 cm
Weight	
Test set only	32 lbs, 14.5 kg
Kit	88 lbs, 39.9 kg

Environmental

Operational Temp.	-10° to 55°C (14° to 131°F)
Storage Temp.	-30° to 70°C (-22° to 158°F)

Test Set Certifications

MIL-PRF-28800F Class 2
MIL-STD-810F
CE, UL, ROHS



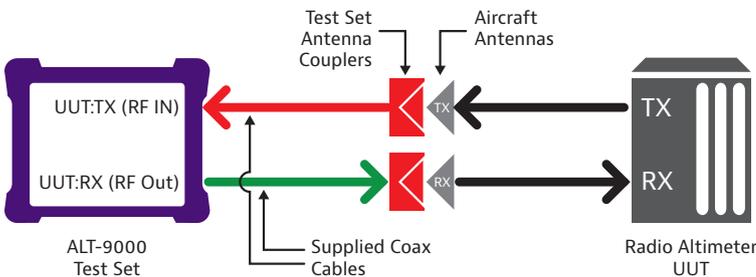
Simulated static altitude may be set by the user and manually incremented



All items required to test radio altimeter systems are included in the ALT-9000 kit.

RF Coupling

The supplied antenna couplers allow the radio altimeter system to be quickly verified with a closed loop test.



1056.900.0122



Contact Us +1 800 835 2352
avcomm.sales@viavisolutions.com

To reach the VIAVI office nearest you, visit
viavisolutions.com/contact.

© 2022 VIAVI Solutions Inc.
Product specifications and descriptions in this document are subject to change without notice.
Patented as described at
viavisolutions.com/patents
alt-9000-br-avi-nse-ae
30193189 902 0422