

Brochure

# VI.AVI

## ALT-8000

### FMCW/Pulse Radio Altimeter Flight Line Test Set

Versatile, time-saving, portable test set for testing installed FMCW and pulse radio altimeters.

The VI.AVI ALT-8000 is the world's first and only RF-based portable radio altimeter flight line test set. The ALT-8000 tests from the TX/RX antennas to the indicator in the cockpit, allowing the operator to replicate in-flight conditions, and isolate a bad component of the installed system.



### Features

- Remote control interface (Ethernet)
- Direct-connect to UUT T/R or to installed system via antenna couplers
- Programmable multi-leg climb/descend profiles
- Software updates downloaded via website
- Parametric measurements of TX power / frequency / pulse width / FM deviation / PRF

### Benefits

- Battery operation of 4 hours plus between recharges
- Test pulse radio altimeters (non-pulse compression types)
- Create profiles to control dynamic altitude simulations
- Test FMCW radio altimeters including analog
- Radio-metric RF loop test allows TX, RX, antenna or feeder faults to be identified

### Applications

- Terrain Awareness Warning System (TAWS) installation
- Simulate a complete landing approach, including a flare out
- Simulate a takeoff and departure
- Replicate actual airborne conditions
- See ALT-8000 supported *RADALT Equipment List* for a complete, up-to-date list

## Ordering Information

### Versions and Options

Order Number	Description
87340	ALT-8000 Radio Altimeter Test Set NSN: 625-01-610-3549

### Standard Accessories

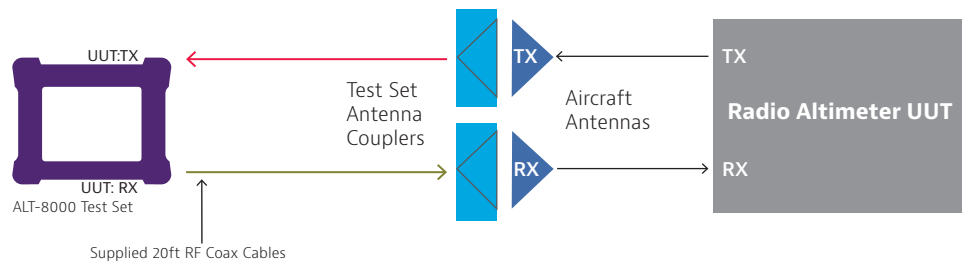
139137	Transit Case
67374	Power supply
62401	Cable, TNC-TNC, 12" (Loop Back)
38353	TNC-TNC adapter (qty 2)
139139	Antenna coupler (qty 2)
139152	Antenna coupler pole set (qty 2)
88511	Coax, RG400, TNC-TNC, yellow 20'
89527	Coax, RG400, TNC-TNC, red 20'
112036	Attenuator, fixed 20 db
62302	Power cord, U.S.
64020	Power cord, European
88035	Operation Manual (CD)
88036	Getting Started Manual

### Optional Accessories

88500	Low loss RF coax cable 100ft. (qty 2) w/ soft-side case
86196	Spare battery pack
89022	Maintenance Manual (CD)
91253	Coax RG400 TNC-TNC, yellow 4'
91255	Coax RG400 TNC-TNC, red 4'

### RF Coupling

The supplied antenna couplers allow the radio altimeter system to be quickly verified, without access being required to test ports on the UUT LRU. Direct connection to the T/R unit is also possible.



## Physical Characteristics

Size:	10.6"H x 13.9"W x 3.4"D
Test Set Only	27.0 cm x 35.5 cm x 8.7 cm
w/ standard accessories	12"H x 30.5" W x 22.5"D 30.5 cm x 77.5 cm x 57.2 cm
Weight:	15.5 lbs. (7.03 kg) test set only 62 lbs. (28.12 kg) shipping weight

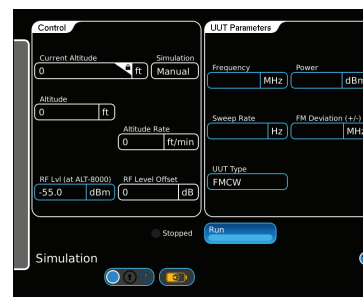
## Environmental

Operational Temp.	-20° to 55°C (-4° to 131°F)
Storage Temp.	-51° to 71°C (-59.8° to 159.8°F)

## Test Set Certifications

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

For a complete certification list, see ALT-8000 Specification Sheet



The graphical user interface provides various screens for control of the test set and display of parametric measurements.



Standard accessories include a rugged transit case and antenna.