

Brochure

VIAVI

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 VIAVI 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

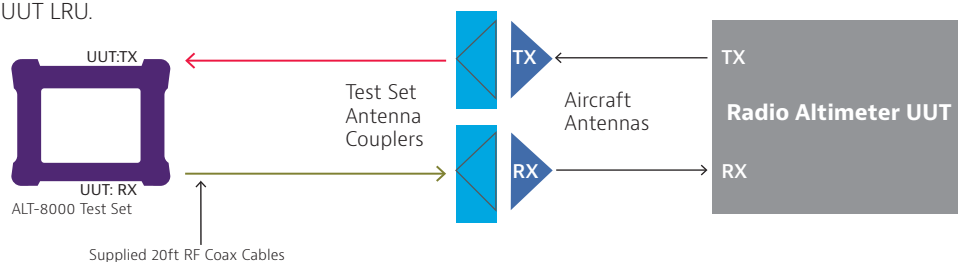
139137	Transit Case
67374	Power supply
62401	Cable, TNC-TNC, 12" (Loop Back)
38353	TNC-TNC adapter (qty 2)
139139	Antenna coupler (qty 2)
139152	Antenna coupler pole set (qty 2)
88511	Coax, RG400, TNC-TNC, yellow 20'
89527	Coax, RG400, TNC-TNC, red 20'
112036	Attenuator, fixed 20 db
62302	Power cord, 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
87040	External battery charger
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.



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

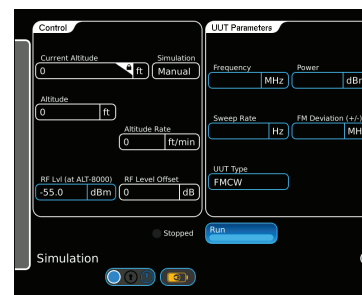
Environmental

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.