

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: 6625-01-610-3549

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'

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 Certifications¹

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

Radio Altimeter Support

Fully Supported	Garmin GRA-55 and GRA-5500, Honeywell ALA-52A, ALA-52B, KRA-405 and KRA-405B, Rockwell Collins 860F-1, 860F-4, ALT-4000, LRA-2100 (DLRA), LRA-700 and LRA-900, Thales ERT-530 and ERT-530A
Supported w/Low Altitude Limitation	Free Flight RA-4000, RA-4500 and RAD-40, Honeywell RT-220 and RT-300, Rockwell Collins ALT-55A and ALT-55B
Not-Supported	Thales AHV-16 / ERT-160

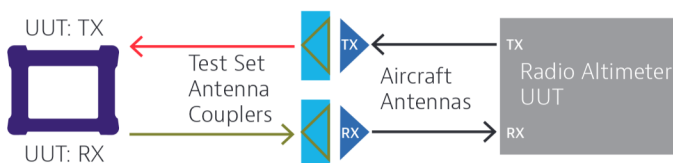
1. For a complete certification list, see ALT-8000 Specification Sheet



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



Standard accessories include a rugged case and antenna.



ALT-8000 Test Set

RF Coupling

The supplied antenna couplers allow the radio altitude 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.