

Brochure

# VIAMI

## ALT-8015

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

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

The VIAMI ALT-8015 is the world's first and only RF-based portable radio altimeter flight line test set. The ALT-8015 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

- Tests military pulse radio altimeters: AN/APN-171(V), AN/APN-194(V) and AN/APN-209(V), including LPI variants
- Tests FMCW radio altimeters including CDF types
- Direct-connect to UUT T/R or to installed system 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

### Benefits

- Perform a complete system test, allowing the operator to replicate in-flight conditions and isolate a bad component of the installed system
- Create profiles to control dynamic altitude simulations
- 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

## Ordering Information

### Versions and Options

Order Number	Description
92923	ALT-8015 Radio Altimeter Test Set
	NSN: 6625-01-644-1512

### Standard Accessories

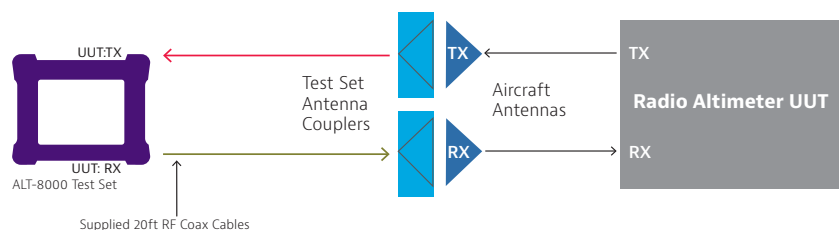
139137	Transit Case
67374	Power supply
62401	Cable, TNC-TNC, 12" (Loop Back)
38353	TNC-TNC adapter (qty 2)
139139	Antenna coupler (qty 2)
139152	Antenna coupler pole set (qty 2)
112036	Attenuator, fixed 20 db (qty 3)
91253	Coax, RG400, TNC-TNC, yellow 4'
91255	Coax, RG400, TNC-TNC, red 4'
88511	Coax, RG400, TNC-TNC, yellow 20'
89527	Coax, RG400, TNC-TNC, red 20'
62302	Power cord, U.S.
64020	Power cord, European
92956	Operation Manual (CD)
92955	Getting Started Manual

### Optional Accessories

88500	Low loss RF coax cable 100 ft. (qty 2) w/ soft-side case
86196	Spare battery pack
92980	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 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.



## 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.	-30° to 71° C (-22° to 159.8° F)

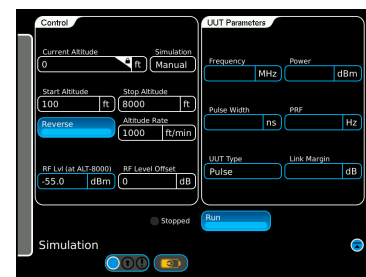
## Test Set Certifications

MIL-PRF-28800F Class 2

MIL-STD-810F

CE, UL

For a complete certification list, see ALT-8015 Specification Sheet



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



Standard accessories include a rugged case and antenna.

This product is subject to the Export Administration ("EAR") (15 CFR 730-774) and may not be exported, re-exported or otherwise transferred to a foreign person, or outside the United States without authorization from the U.S. Department of Commerce.



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

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