

Brochure

VIAVI 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 VIAVI 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

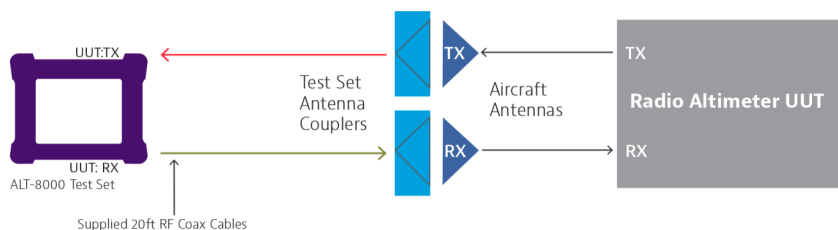
139137	Transit Case
67374	Power supply
62401	Cable, TNC-TNC, 12" (Loop Back)
38353	TNC-TNC adapter (qty 2)
139139	Antenna coupler (qty 2)
139152	Antenna coupler pole set (qty 2)
112036	Attenuator, fixed 20 db (qty 3)
91253	Coax, RG400, TNC-TNC, yellow 4'
91255	Coax, RG400, TNC-TNC, red 4'
88511	Coax, 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)

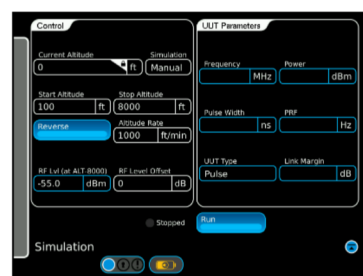
Test Set Certifications

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.