

ALT-8015

FMCW/Military Pulse Radio Altimeter Flightline Test Set

COBHAM

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

The most important thing we build is trust



ALT-8015

Quickly test or troubleshoot an installed FMCW or military pulse radio altimeter 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
- Fast detector for tracking LPI radio altimeters with TX power management
- Direct-connect to UUT transmit/receive port or to installed system via antenna couplers
- Ratio-metric RF loop test allows TX, RX, antenna or feeder faults to be identified
- Programmable multi-leg climb/descend profiles
- Large color touch-screen display with simple user interface
- Remote control interface (Ethernet)
- Battery 4 hours plus duration
- Software upgradeable

Applications

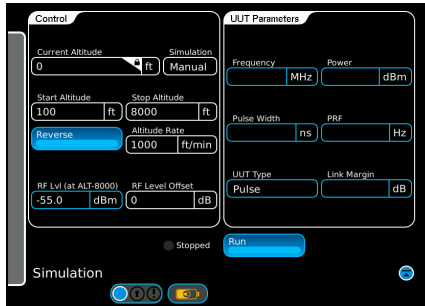
- Terrain Awareness Warning System (TAWS) installations
- Create profiles to control dynamic altitude simulations
- Simulate a complete landing approach, including a flare out
- Simulate a takeoff and departure
- Replicate actual airborne conditions

Key Benefit

The ALT-8015 performs a complete system test, allowing the operator to replicate in-flight conditions and isolate a bad component of the installed system.

See Product Specification Sheet for a more detailed specification.

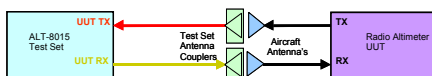
The graphical user interface provides various screens for control of the test set and display of parametric measurements including: TX power, TX frequency (center), sweep rate, FM deviation, TX pulse width, and PRF (pulse systems).



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

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.



Standard Accessory Kit



Dimensions

Size:
Test set only 10.6" H x 13.9" W x 3.4" D
 27.0 cm x 35.5 cm x 8.7 cm

w/ standard access. 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. (test set only)
 62 lbs. (shipping weight)

Environmental

Operational Temp -20° to 55°C
 Storage Temp -30° to 71°C
 Altitude ≤10,000

Test Set Certifications

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

For complete certification list, see Product Specification Sheet

VERSIONS AND ACCESSORIES

Order Number	Description
92923	ALT-8015 Radio Altimeter Test Set
Standard Accessories	
88494	Transit case
67374	Power supply
88590	Antenna coupler (qty 2)
34028	Antenna pole assembly (qty 2)
112036	Attenuator, 20dB (qty 2)
38353	TNC-TNC adapter
62401	Cable, TNC-TNC, 12" (Loop Back)
64020	Power cord, European
62302	Power cord, U.S.
88511	Coax, RG400, TNC-TNC, yellow 20'
89527	Coax, RG400, TNC-TNC, red 20'
91253	Coax, RG400, TNC-TNC, yellow 4'
91255	Coax, RG400, TNC-TNC, red 4'
92955	Getting Started Manual
92956	Operation Manual (CD)
Optional Accessories	
88500	Low loss RF coax cable 100 ft. (qty 2) w/ soft-side case)
87040	External battery charger
86196	Spare battery pack
92980	Maintenance Manual (CD)

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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