

# ALT-8015

## FMCW/Military Pulse Radio Altimeter Flightline Test Set

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

The most important thing we build is trust

**COBHAM**



# 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

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:	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 NSN: 6625-01-644-1512



## 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.

Order Number	Description
<b>Standard Accessories</b>	
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, 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
<b>Optional Accessories</b>	
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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