

# ALT-8000

## FMCW/Pulse Radio Altimeter Flightline Test Set

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

The most important thing we build is trust

**COBHAM**



# ALT-8000

Quickly test or troubleshoot an installed FMCW or pulse radio altimeter system



## Features

- Tests FMCW radio altimeters including analog
- Tests pulse radio altimeters (non-pulse compression types). \*For military applications, refer to the ALT-8015
- Direct-connect to UUT T/R 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
- Remote control interface (Ethernet)

- Battery 4 hours plus duration
- Software upgradeable

## Applications

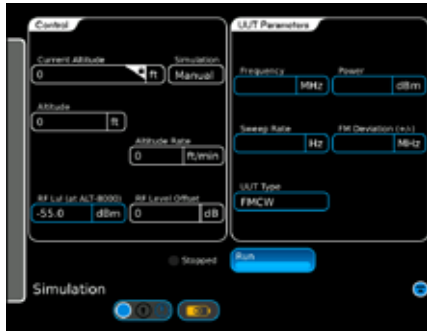
- Terrain Awareness Warning System (TAWS) installations
- Create profiles to control dynamic altitude simulations
- Simulate a complete landing approach, including a flare out
- Simulate a takeoff and departure
- Replicate actual airborne conditions

## Key Benefit

Unlike other testers, the ALT-8000 tests from the antenna to the indicator in the cockpit, allowing the operator to replicate in-flight conditions and isolate a bad component of the installed system.

## ALT-8000

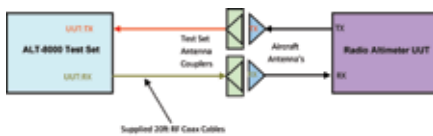
The graphical user interface provides various screens for control of the test set and display of parametric measurements including: TX power, TX frequency (center), sweep rate, FM deviation, TX pulse width, and PRF (pulse systems).



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
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 100 ft. (qty 2) w/ soft-side case
87040	External battery charger
86196	Spare battery pack
89022	Maintenance Manual CD
91253	Coax RG400 TNC-TNC yellow 4'
91255	Coax RG400 TNC-TNC red 4'

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