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
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 RX/RX unit is also possible.

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

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.

Standard Accessory Kit

Order Number Description
139137 Transit case
67374 Power supply
62401 Cable, TNC-TNC, 12" (Loop Back)
38353 TNC-TNC adapter (qty 2)
139139 Antenna coupler (qty 1)
139152 Antenna coupler pole set (qty 2)
112096 Attenuator, 20 dB (qty 3)
91255 Coax, RG400, TNC-TNC, yellow 4'
91256 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
- 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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