Moel 6067 Digital Radar Altimeter Test System

Altimeter Test Set



Product Summary

Description

The 6067 Altimeter Test Set is designed to test and calibrate radar altimeter systems. The 6067 provides continuous, programmable delays with front panel and/or remote computer control (SCPI commands) . It features wide bandwidth, low loss, high isolation, and high dynamic range. Able to simulate altitudes up to 200,000 feet, the test set operates from 4.2 to 4.4 GHz and offers altitude accuracy up to 0.1 %. Tests all Radar Altimeter models and technologies.

Technology

Digital design provides smooth transitions and environment simulation including:

- Multiple ground reflections
- Doppler
- Clutter
- Inference

Features

- Easy, repeatable operation
- 15 —200,000 feet
- Accurate amplitude balance
- Ascent/descent simulation
- Stable and repeatable performance
- Pulsed, LPI, and CW (Swept FM) Operation
- Antenna Installation Delay simulation

Applications

- Altimeter calibration and testing

Reliability

- > 140,000 hours of operation in field environments
- Operating Temperature Range: 0—65 °C, 95 % RH

Moel 6067 Digital Radar Altimeter Test System
Altimeter Test Set



Product Summary

Details

Altitude Range:

25 to 100 feet in 5 foot steps (Option 1)

15 to 100 feet in 5 foot steps (Option 2)

100 to 55,000 feet in one foot steps (Standard)

Altitude Resolution: 1 foot

Antenna Installation Delay (AID): 0 – 500 feet in 1 foot resolution

Option 3: Ground reflections:

Up to 6 ground independent ground reflections

Radar transmit pulses and ground reflections may overlap in time.

Each ground reflection may have a separate range, carrier phase and Doppler.

Options

- Doppler
- Jammers

Application Video

https://www.youtube.com/watch?v=9Wac9Yhnxqk

