

# RADAR TARGET SIMULATOR - 2 DISTANCES

AMG043-005 - Radar target simulator

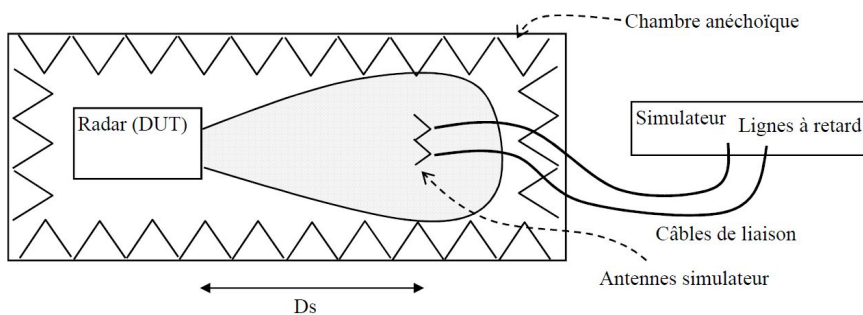


- 24 GHz frequency band
- 2 simulated distances (flight time)
- Compatible with all types of radar modulation
- Easy to use

## DESCRIPTION

The AMG043-005 is a precise and multifunctional simulator designed to calibrate and verify all types of radar equipment in the 24 GHz frequency band. It simulates 1 target and can be used to verify the speed, motion direction, sensibility and detection distance of the radar under test. This device is essential to do end of line quality control for radar equipment as well as to adjusting and developing radar based products. Checking the performance of the simulator is very simple.

## USE



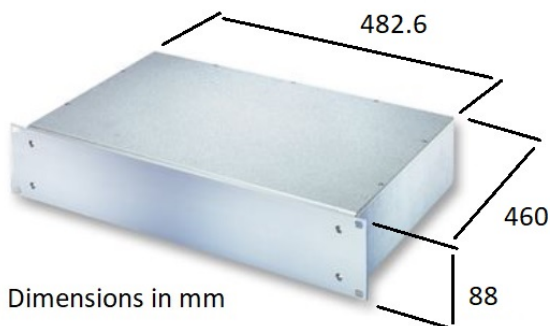
This simulator emits a delayed Doppler signal. The amplitude can be adjusted on 60dB, the Doppler frequency is configurable in steps of 1Hz for more than 30Hz. Set-up is done via PC or laptop using the simulation software provided with the equipment.

The programmed distance is simulated by a coaxial delay line for distances inferior to 10m and, by an optical delay line for distances above. The gain of each line is calculated to simulate a RCS of 40dB m<sup>2</sup> to -20dB m<sup>2</sup>.

## APPLICATIONS

- Verification of radar equipment
- End of line quality control
- Radar calibration and tuning
- RCS simulation

## ADDITIONAL INFORMATION



Dimensions in mm

## FEATURES

- Simulation of 2 distances between 2.5m to 1000m with a precision of 0.5m
- Simulated speed  $\pm 800$  Km/h
- Programmable RCS -20 dBm<sup>2</sup> to +40 dBm<sup>2</sup> (according to distance)
- Rack 19" 2U prof. 360mm
- 230 Vac 100 W

**DISCLAIMER:** AMG Microwave reserves the right to make modifications to the design and characteristics of this product at any time and without prior notice.  
document reference: AMG043-005-1

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