

## SUMMARY

Trusted by the United States Air Force and major airlines around the world, the A8-AF is used to detect pockets of moisture in aircraft radomes. This is done by using the patented process of measuring the radio frequency dielectric power loss of material with the electrode sensor. Spring-loaded electrode buttons ensure non-destructive testing of curved or irregular surfaces.



## INDUSTRY BENEFITS

- Bad radome can:
  - Cut a radar's detection range in half
  - Create the illusion that weather displayed in the cockpit is less severe than actuality
  - Cause false targets to display
- Moisture that enters the radome core absorbs energy and causes major problems. It can enter through:
  - Physical damage such as dents or dings
  - Un-discharged static electricity that punches microscopic holes through the outer covering
  - Increased pressure of a descending aircraft can draw in moisture. Freezing moisture at altitude causes microcracking

## KEY A8-AF PRODUCT FEATURES

- Innovative Design: Spring-loaded electrodes permits non-destructive testing in remote or irregular surfaces
- Simple Operation: Can be used by both technical and non-technical personnel with color indicators for Good, Fair, Poor and Unacceptable
- Trusted: Used by the United States Air Force and major airlines around the world

## AS FEATURED IN

**AVIATIONWEEK**<sup>↑</sup>  
& SPACE TECHNOLOGY

## KEY SPECIFICATIONS

Penetration Depth	Approx 1/4 inch (6.35 mm)
Measuring Frequency	Approx 6 mHz
Meter + Electrode Weight	5 lbs (2.27 kg)

Rev 1/17