



**The AN/APN-209(V) is the standard for all U.S. Army Rotary Wing aircraft**

# AN/APN 209(V) Altimeter System

## Benefits

- High and Low Altitude Set
- Low Weight and Low Cost
- Night Vision Goggle Compatibility
- Variable configuration for installation flexibility
- All-weather operation in heavy rain or snow

## Accurate and reliable in all extremes

- Accurate, reliable operation to zero attitude
- Accuracy during pitch and roll without slant
- Accurate indication over ice and snow-covered surfaces
- Complete immunity to Doppler effect.
- Leading edge tracking for actual range indication of the object without averaging
- Continuous resolution without step errors
- Solid state transmitter with power Management

## System Specifications

- Digital Altitude Display through use of Light Emitting Diodes (LEDS)
- Integrated Indicator Receiver/Transmitter (IRT)
- Remote Indicator (RI) Receiver/Transmitter (RT)

## Optional Features

- MIL-STD-1553 dual bus interface
- Altitude voice warning system
- Extend range capability

The device meets the AN/APPN-209(V) environment requirements for:

- Shock
- Salt fog
- Rain
- Sand and dust
- Fungus
- Humidity
- Acceleration
- Vibration
- Temperature- altitude
- Electro-magnetic interference (EMI)

## Operational

- Power requirements -28 vdc (25W), 5 v lighting
- Operating frequency -4,3 GHz

## Specifications

### Weight

Indicator-Receiver- Transmitter - range errors 4.2 lbs. Remote Height Indicator - 2.5 lbs. Antennas (each).

- LG81J1 Horn 5.75 in. dia., 0.65lb.
- LG81 AT01 Microstrip 5.75 in. dia., 0.65 lb.
- LG81T Microstrip 3.5 X 3.5 in., 2.6 ounces
- Receiver- Transmitter, 3.4 lbs.

### Volume

- IRT, 81 cu. in.
- Remote Indicator, 54 cu. in.
- Receiver- Transmitter, 48 cu. in.

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