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**Width:**

21.938 inches

**Length:**

16.938 inches

**Ac Voltage Rating:**

115.0 volts

**Frequency Rating:**

Between 50.0 hertz and 420.0 hertz

**Major Components:**

Cable assembly power electrical, cable assembly radio frequency, cable assembly special purpose electrical, cover-test set, test set radar

**Joint Electronics Type Designation System Item Name:**

Test set, radar

**Joint Electronics Type Designation System Item Type Number:**

An/upm-109

**Electrical Power Source Relationship:**

Operating

**Material And Location:**

Aluminum carrying case

**Inclosure Feature:**

Single item w/carrying case

**Test Type For Which Designed:**

Calibration

**Operating Test Capability:**

Range accuracy, rate memory of constant velocity and accelerating targets, tracking ability of constant velocity and accelerating targets, antenna azimuth and elevation servo responses, acquisition limits of range gates, range variable 0 to 100, 000 yards, rate variable 0 to 5000 knots opening or closing, acceleration variable 0 to 50g opening or closing, internal p.R.F. 25 to 5000 pps, range programing sensitivi type 1000 yds per volt, outputs trigger and target pulses positive and negative polarity, out pulse amplitude variable zero to 50 volts at all outputs with 50 ohm loads

**Phase:**

Single

**Functional Classification:**

Aa-9.1

**Special Features:**

Can be operated in a horizontal or vertical plane

**Functional Description:**

Simulates radar targets which maybe controlled in range, rate and acceleration and can be used for malfunction isolation and calibration of radar sets at organizational and intermediatelevels of maintenance

**Height:**

12.500 inches

**Entry Date:**

78-9-1

**Reference Data And Literature:**

Navair 16-30upm109-1

**Type/model Designation:**

An/upm-109

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

T228-a