

View Online at <https://aerobasegroup.com/nsn/6625-00-701-4038>

**Overall Length:**

24.000 inches

**Overall Height:**

16.750 inches

**Overall Width:**

13.000 inches

**Current Type:**

Ac

**Frequency Rating:**

Between 50.0 hertz and 60.0 hertz

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

Oscilloscope

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

An/usm-81

**Voltage Rating:**

Between 117.0 volts and 234.0 volts

**Beam Quantity:**

1

**Mounting Method:**

Carrying case

**Screen Size:**

5 inch screen

**Sweep Circuits:**

Included

**Generator Driven Feature:**

Not included

**Sweep Circuit Type:**

Horizontal

**Single Trigger Sweep Duration:**

Between 0.1 microseconds and 1.0 microseconds

**Trigger Sweep Voltage Amplitude Rating:**

150.0 volts

**Trigger Sweep Polarity Switch:**

Not included

**Trigger Sweep Marker Intervals:**

0.1 usec to 1.0 sec

**Amplifier Deflection Sensitivity Provision:**

Provided

**Vertical Deflection Sensitivity Voltage Rating:**

50.0 millivolts peak to peak per centimeter

**Horizontal Deflection Sensitivity Voltage Rating:**

200.0 millivolts peak megahertz

**Input Intensity Modulation Feature:**

Not provided

**Plate Direct Connection Deflection Sensitivity Provision:**

Provided

**Direct Connection Vertical Deflection Sensitivity Voltage Rating:**

14.0 volts any acceptable megahertz

**Direct Connection Horizontal Deflection Sensitivity Voltage Rating:**

30.0 volts peak to peak per centimeter

**Frequency Response Rating:**

Provided

**X-axis Frequency Response Rating:**

Between 0.0 megahertz and 2.4 megahertz

**Y-axis Frequency Response Rating:**

Between 0.0 megahertz and 12.0 megahertz

**Amplifier Input Impedance Rating Provision:**

Provided

**X-axis Input Impedance Rating:**

1.0 megohms

**Z-axis Input Impedance Rating:**

Between 8.0 kilohms and 15.0 kilohms

**Calibrated Screen Scale:**

Not included

**Trace Storage Tube:**

Not included

**Camera Recording Device Accommodation:**

Not provided

**Phase:**

Single

**Functional Classification:**

Aa-3.2

**Special Features:**

2oscilloscope subassembly mx-2330/g preamplifier am-1839/usm rated input impedance data 1 meg on x-axis w/o probe, 1 megohm shunted by 20 uufd, w/probe 10 megohm shunted type 7.5 uufd. 8 k to 15 k, depending on intensity, control setting, on z-axis

**Functional Description:**

General purpose fast rise time oscilloscope used in observing complex waveforms

**Entry Date:**

70-09-01

**Relationship To Similar Equipment:**

Similar to tektronix no. 535 and hewlett packard no. 1801; replaced thean/usm-50 and in turn is being replaced by the an/usm-140 and an/usm-141

**Type/model Designation:**

An/usm-81

**Shelf Life:**

N/a

**Unit Of Measure:**

**Demilitarization:**

No

**Fig:**

T320-g