

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