RECORDING AMMETER, ME-179/U

DESCRIPTION OF COAST GUARD ELECTRONIC EQUIPMENT
NAME

Recording Ammeter, ME-179/U, for use with Loran C Ground Station and Receiver Equipment.

FUNCTIONAL DESCRIPTION

This recorder will provide a permanent, ink, rectilinear, record of envelope and cycle phase shift and time difference information. It is capable of indicating 360° rotation of the retransmitting potentiometer shaft. It can be made with an expanded scale feature to permit high sensitivity measurements. It is used as a component in AN/USH-7, AN/USH-8, and AN/USH-9 Loran C Equipment.

RELATION TO OTHER EQUIPMENT

Not Applicable.

EQUIPMENT REQUIRED BUT NOT SUPPLIED

Not Applicable, Recording Ammeter, ME-179/U is completely self-contained.

ELECTRICAL AND MECHANICAL CHARACTERISTICS

(1) Type of Reception and/or Transmission - Voltage signal from transmitting potentiometer in Loran Equipment.

(2) Frequency Range - 50 or 60 cps.

(3) Power Output - Not Applicable.

(4) Output Signal Characteristics for Visual Output - Permanent ink record on paper.

(5) Ranges as Rated - 1 MA, d-c.

(6) Accuracies - ± 1% of full scale deflection.

(7) Power Source Required - 115 V, a-c single-phase.

(8) Heat Dissipation - Not Applicable.

(9) Pertinent Electrical and Mechanical Characteristics of Individual Units -

Recording Ammeter: ME-179/U, dual channel, rectilinear, galvanometric, ink recording instrument, full scale deflection 1 MA, d-c. Automatic pushbutton transmission for quick change of chart speeds. Powered by 115 V, a-c, 50 or 60 cps drive motor.

Event Marking Pens: One on each channel, 115 V, a-c, 60 cps.

(11) Overall Dimensions - Length 15", Width 13-1/2", Height 9-1/4".

(12) Number of Operators Required - Not Applicable.

MANUFACTURER'S DATA

Texas Instruments Incorporated 3609 Buffalo Speedway Houston 6, Texas

Recording Ammeter, ME-179/U Contract Tcg-41218, November 20, 1959
Texas Instruments Recording Ammeter Model DR IM IM-A 16-LR 16-R-ED.

TUBE AND SEMICONDUCTOR COMPLEMENT

Not Applicable.

REFERENCE DATA AND LITERATURE


SHIPPING DATA

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<tr>
<th>NO. OF BOXES</th>
<th>CONTENTS</th>
<th>VOL. (Cu. Ft.)</th>
<th>OVERALL DIMENSIONS (Inches)</th>
<th>WEIGHT PACKED (Lbs.)</th>
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DESCRIPTION OF COAST GUARD ELECTRONIC EQUIPMENT
## Equipment Supplied

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<th>No. of Units</th>
<th>Contents</th>
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<th>Overall Dimensions (Inches)</th>
<th>Weight (Lbs.)</th>
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