

## Introduction

ing a single captivated screw at the bottom of the case and sliding out the compartment cover.

- Rubber plug bumpers on the bottom of the case reduce sliding should the 260 be accidentally pulled by the test leads when the instrument is on a workbench.

### 1.6 ADJUST-A-VUE HANDLE

**1.6.1** A carrying handle is attached to the Instrument case. The handle may be used to support the Instrument in a convenient sloping position for easy viewing. The case can also be placed in either a vertical or horizontal position. The horizontal position is preferable for greater accuracy since the Instrument is calibrated in this position.

### 1.7 TEST LEADS

**1.7.1** Each Instrument is furnished with one pair (Catalog Number 00043) of probe type test leads (one red and one black, each 48 inches long) for all applications of the Instrument. These test leads have elbow prods on one end, to connect the leads to the recessed jacks on the Instrument front panel. The probe tips at the opposite end have threaded shoulders to accept the screw-on insulated alligator clips (furnished with the test leads) or the 5000 volt test probe(s) to extend the Instrument AC or DC voltage range. The test leads and the insulated alligator clips are rated for the voltage and current ranges available on the 260. Maximum ratings are 1000V AC or DC or 10 DC amperes. **These ratings for the test leads must not be exceeded in any application.**

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### 1.8 TECHNICAL DATA

**1.8.1** Table 1-1 lists the technical data for the 260-7 and 7M (RT).

**TABLE 1-1. TECHNICAL DATA**

1. DC VOLTS:  
Ranges: 0-1-2.5-10-50-250-500-1000V  
Sensitivity: 20,000 ohms per volt
2. DC MILLIVOLTS:  
Range: 0-250mV  
Sensitivity: 20,000 ohms per volt
3. AC VOLTS:  
Ranges: 0-2.5-10-50-250-500-1000V  
Sensitivity: 5,000 ohms per volt
4. OUTPUT VOLTAGE  
(AC):  
Ranges: 0-2.5-10-50-250  
(limited to 350 VDC)
5. DC MICROAMPERES:  
Range: 0-50 $\mu$ A  
Voltage Drop: 250 mV
6. DC MILLIAMPERES:  
Ranges: 0-1-10-100-500 mA  
Voltage Drop (Approx.): 250 mV, 255 mV, 300 mA, 500 mV
7. DC AMPERES:  
Range: 0-10A  
Voltage Drop (Approx.): 255 mV

NOTE: The 10A range is **not** internally fused.

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- |                               | $R \times 1$     | $R \times 100$     | $R \times 10,000$ |
|-------------------------------|------------------|--------------------|-------------------|
| 8. RESISTANCE:                |                  |                    |                   |
| Range                         | 0-2,000 $\Omega$ | 0-200,000 $\Omega$ | 0-20 M $\Omega$   |
| Center Reading                | 12 $\Omega$      | 1200 $\Omega$      | 120,000 $\Omega$  |
| Nominal Open Circuit Voltage  | 1.5V             | 1.5V               | 9V                |
| Nominal Short Circuit Current | 125 mA           | 1.25 mA            | 75 $\mu$ A        |
9. \*ACCURACY:
- DC Voltage Ranges: 2% of Full Scale
- DC Current:
- 0-50  $\mu$ A Range: 1.5% of Full Scale
- Other Ranges: 2% of Full Scale
- \*\*AC Voltage Ranges: 3% of Full Scale
- Frequency Response: Referenced to 100 Hz  
(Figures 4-2 and 4-4)
- Resistance Ranges:
- $R \times 1$ : 2.5° of Arc
- $R \times 100$ : 2° of Arc
- $R \times 10,000$ : 2° of Arc
10. DECIBELS:
- Range: -20 to +10 dB, -8 to +22dB,  
+6 to +36 dB, +20 to +50 dB
- Reference Level: With zero dB power level equal to  
1 mW across a 600 $\Omega$  line.
11. BATTERIES:
- Voltage: 1.5V, 9V
- NEDA No.: 13F, 1604
12. FUSE:
- F1 1A, 250V, type 3AG, quick-  
acting Littelfuse Type 312001, F2  
2A, 600 V Littelfuse Type BLS or  
2 A 600 V, Bussman Type BBS.

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13. TEST LEADS: 1 red, 1 black, 48" long.
14. SIZE: 5½" x 7" x 3¼" (13.34 x 17.78  
x 7.94 cm)
15. WEIGHT: 3 lbs. (1.359 kg)
16. \*\*\*RATED-CIRCUIT  
TO-GROUND  
VOLTAGE: 1000V AC/DC Max.

\* Accuracies specified are for the 260 in a horizontal position.

\*\* Responds to the average value of an AC current, and is calibrated to indicate the rms value of a pure sine wave.

\*\*\* Per ANSI C39.5 April 1974: "The specified voltage, with respect to ground, which may be safely and continuously applied to the circuit of an Instrument."

## 1.9 DEFINITION OF ACCURACY

**1.9.1** The voltage and current accuracy of this Instrument is commonly expressed as a percent of full scale. This should not be confused with accuracy of reading (indication). For example, +2% of full scale on the 10 volt range allows an error of  $\pm 0.20$ V at any point on the dial. This means that at full scale, the accuracy of reading would be  $\pm 2\%$ , but at half scale it would be  $\pm 4\%$ . Therefore, it is advantageous to select a range which gives an indication as near as possible to full scale.

## 1.10 SAFETY CONSIDERATIONS

**1.10.1** This Operator's Manual contains cautions and warnings alerting the user to hazardous operating and service conditions. This information is flagged by CAUTION or WARNING head-