



270-5 & 270-5RT Extra-High Accuracy VOM



270-5 & 270-5RT Extra-High Accuracy VOM

This member of the 260 family has a better than 30% improvement in voltage and resistance accuracy compared to the standard 260-8 Series, perfect for more critical measurements. DC voltage accuracy is $\pm 1.25\%$ full scale; AC voltage accuracy $\pm 2\%$ full scale; and Resistance accuracy $\pm 1.5\%$ of arc. The 270-5 comes with batteries, manual and test leads with alligator clips; the 270-5RT also includes a built-in rolltop carrying case.

- Higher accuracy specifications for more precise measurements
- Self-shielding taut-band meter movement provides added shock resistance
- Rugged phenolic case with reinforced walls for maximum durability
- Reverse recessed safety jacks prevent operator and tool contact
- Large, tri-colored dial with mirrored scale to prevent parallax error



- | | |
|--|--|
| 1. DC VOLTS:
Ranges: 0-1-2.5-10-50-250-500-1000V
Sensitivity: 20,000V per volt | 9. *ACCURACY:
77°F
67°-87°F |
| 2. DC MILLIVOLTS:
Range: 0-250mV
Sensitivity: 20,000V per volt | DC Voltage Ranges: 1.25% of F.S.
1.75% of F.S. |
| 3. AC VOLTS:
Ranges: 0-2.5-10-50-250-500-1000V
Sensitivity: 5,000Ω per volt | DC Current
0-50μA Range: .75% F.S.
1.25% of F.S. |
| 4. OUTPUT VOLTAGE (AC):
Ranges: 0-2.5-10-50-250 (limited to 350 VDC) | Other Ranges: 1.25% of F.S.
1.75% of F.S. |
| 5. DC MICROAMPERES:
Range: 0-50μA
Voltage Drop: 250 mV | **AC Voltage Ranges: 2% of F.S.
3% of F.S. |
| 6. DC MILLIAMPERES:
Ranges: 0-1-10-100-500 mA
Voltage Drop (Approx.): 250 mV, 255 mV, 300 mV, 500 mV | Frequency Response: Referenced to 100 Hz (Figures 4-2 and 4-4) |
| 7. DC AMPERES:
Range: 0-10A
Voltage Drop (Approx.): 255 mV | Resistance Ranges:
R x 1: 1.5% of Arc
1.75° of Arc |
| NOTE: The 10A range is not internally fused. | R x 100: 1° of Arc
1.25° of Arc |
| | R x 10,000: 1° of Arc
1.25° of Arc |
| | 10. DECIBELS:
Ranges: -20 to +10 dB, -8 +22dB, +6 to +36 dB, +20 to +50 dB |
| | Reference Level: W/zero power level equal to 1 mW across a 600Ω line. |
| | 11. BATTERIES: 1.5V, D Size, NEDA 13F 9V, NEDA 1604 |
| | 12. FUSES: F1: 1A, 250V, type 3AG, quick-acting Littlefuse Type 312001, F2: 2A, 600V (Bussman Type BBS or Littlefuse Type BLS) |
| | 13. TEST LEADS: 1 red, 1 black, 48" long. |
| | 14. SIZE: 5-1/2" x 7" x 3 1/8" (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. |

RESISTANCE	R X 1	R X 100	R X 10, 00
Range:	0-2000Ω	0-200,000Ω	0-20 MΩ
Center Reading:	12Ω	1200Ω	120,000Ω
Nominal Open Circuit Voltage	1.5V	1.5V	9V
Nominal Short Circuit Current	125mA	1.25mA	75μA

Ordering Information

VOM	Catalog No.
270-5,High Accuracy	12226
270-5RT,High Accuracy ,W/Roll-Top Case	12227

