



270-5 VOM

Extra-High Accuracy VOM

Higher accuracy specifications for those more critical measurements are found in the Model 270-5. It has a better than 30% improvement in voltage and resistance accuracy as a full-function/range member of the Simpson 260 type VOM group.

- DC V Accuracy 1.25% of Full Scale
- AC V Accuracy 2% of a Full Scale
- Resistance Accuracy 1.0° of Arc
- Diode Protected Self-Shielded Movement
- Includes Batteries and Probe Leads With Alligator Clips



Specifications

DC VOLTAGE

Ranges	Accuracy*	Sensitivity
250mV, 1V, 2.5V, 10V,	1.25% of full scale @ 77°F	20KΩ per volt
50V, 250V, 500V, 1000V	1.75% of full scale @ 67-87°F	

AC VOLTAGE

Ranges	Accuracy*	Sensitivity
2.5V, 10V, 50V, 250V,	2% of full scale @ 77°F	5KΩ per volt
500V, 1000V	3% of full scale @ 67-87°F	

DECIBEL:

4 Ranges- -20 To +50dB Reference- 0dB=1mW Into 600Ω

DC CURRENT

Ranges	Accuracy*	Voltage Drop (Nominal)
50μA, 1mA, 10mA,	0.75% of full scale on 50μA @ 77°F	250mV On 50μA And 1mA
100mA, 500mA, 10A	1.25% full scale of all others @ 77°F	255mV On 10mA And 10A
	1.25% of full scale on 50μA @ 67-87°F	300mV On 100 mA
	1.75% of full scale of all others @ 67-87°F	500mV On 500mA

RESISTANCE

Ranges	Accuracy*	Maximum Indication
Rx1	1.5° of arc on Rx1	0-2KΩ
Rx100	1° of arc all others	0-200KΩ
Rx10K		0-20MΩ

Ordering Information

VOMS	Catalog No.	ACCESSORIES	Catalog No.	ACCESSORIES	Catalog No.
270-5, High Accuracy	12226	Probe Set, Threaded w/Clips	00043	Case, Molded Plastic	45028
270-5RT, High Accuracy, w/ Roll-top Case	12227	151-2 Power Line Splitter	00544	Case, Yellow Padded Nylon	00832
		Grip Tip Adapter, Screw On	00118	Case, Black Padded Nylon	00834
		Alligator Clips, Screw On	00425	Case, Hard Leatherette Front Load	00805
		Universal Kit, Deluxe 23-Piece	00818	Case, Roll-top	00248
		Universal Kit, 14-Piece	05577		
		150-2 Amp Clamp Adapter, AC	00545		

Additional accessories are on pages 25-28.

BATTERIES: 1.5V AA, 9V (NEDA No. 13F,1604A)

SIZE: 7"(H) x 5.5"(W) 3.1"(D) (18x14x8cm)

WEIGHT: Approximately 3LBS. (1.4Kg)

FUSE: F1 1A, 250V, type 3AG, quick acting Littelfuse® Type 312001; F2 2A, 600 Littelfuse® Type BLS or 2A 600V, Bussman® Type BBS.

CIRCUIT TO GROUND VOLTAGE: 1000V AC/DC Max

*Accuracies specified are for the 270-5 in a horizontal position.

Specifications subject to change without notice.



"GRAB N GO" PADDED NYLON CASES

Padded Nylon "Grab N Go" made of tough durable nylon enables VOM to be stored for quick field use... test leads remain in panel jacks. Thick padding protects your meter. Available in Yellow (00832) and Black (00834).

ROLL TOP CASES

Roll-top case made of a durable composite material protects meter during transit/storage. Cover rolls back into case for use. Special storage compartment for test leads under meter.

