

# Safety Voltmeters

ELECTRICAL SAFETY TESTERS



## Voltmeters Combine Safety with Productivity

These meters automatically test AC and DC volts, null induced voltages, withstand 2,500 volts, and are virtually foolproof. Routine power measurement is never routine. TEGAM's Voltmeters prevent lost-time accidents. Whether you're measuring voltage, locking out equipment, testing or troubleshooting, TEGAM's voltmeters are the safest you can buy. All models have the voltage measuring capabilities of a DMM while fully protecting the user and the instrument against operator errors. There is only one control – an ON/OFF switch. Since there are no functions or ranges to select, the user can't select the wrong one. Testing is fast and easy because the unit automatically checks for AC and DC voltages. When the easy to read display says 000, the line is clear – absolutely. The 36 in. test leads are permanently secured, yet replaceable. The probes feature unique safety resistors and shock collars. With the best overall protection in the business, TEGAM meters won't blow up or melt down. All models are Underwriters Laboratories approved.

The original Model 110A Safety Voltmeter is designed for voltage troubleshooting. With a range of 1,000 volts, it's more versatile than the Wiggy®, and more accurate than the Simpson 260®. It has 1 M ohms of resistance in each lead to protect the user and is designed to take 2,500 volts and keep on working. This meter is ideal for line clearing and TPM and Skills Transfer programs. Customers have reported huge cost savings including thousands of man hours of productivity improvements and reduction of electrical accidents. Model 110A meets Category III Overvoltage protection under UL-3111-1.

The Voltman eliminates "phantom" voltage readings. This Model 120 represses capacitance effects that occur during utility meter-based checks and other situations where powered and unpowered cables are in close proximity. It verifies line voltages from 0-750 volts while preventing false readings. This boosts productivity of meter installers and repair personnel by eliminating guesswork.

If you need a continuity function or if harmonics are a problem, the Voltman TRMS is for you. Non-sinusoidal waveforms from variable speed motors cause problems for most voltmeters, but the Model 125 provides accurate, dependable readings of distorted waveforms. When there is no voltage present, the unit automatically tests for continuity, ground faults or shorts. Plus, it has all the features of the Model 120.

The Model 122 has the same specifications and functions as the Model 120, but has a continuity tester, a backlit display and audible tone for AC/DC continuity.

All Models also feature:

- Molded-on probes with retractable probe tip covers
- Dual-probe holder with positive lock probe extension for safe, easy two-handed operation
- Splash proof, dust proof, and withstands 6 ft. drop to concrete
- Auto power off
- Automatic selection ACV or DCV
- One Range – No ranges or functions to select
- Safety and Productivity at an affordable price

### SPECIFICATIONS

ACCURACY:  $\pm (0.2\% \text{ rdg} + 1 \text{ volt})$  DC and 50/60 Hz  
 RESOLUTION: 1 volt  
 ENVIRONMENTAL OPERATING LIMITS: -12 °C to +65 °C (-10 °F to +150 °F)  
 DISPLAY: 0.5 in. LCD, 3 1/2 digits, annunciators for, VAC, VDC, OL, polarity, and low battery  
 SIZE: 16.0 x 6.9 x 3.0 cm (6.3 in x 2.7 in x 1.2 in) WEIGHT 340 grams (12 oz)  
 WARRANTY: 1-year materials and labor

Wiggy is a registered trademark of Square D Company Simpson and 260 are registered trademarks of Simpson Electric Co.

### ORDERING INFORMATION

| MODEL                                  | 110A          | 120          | 122          | 125          |
|--|---------------|--------------|--------------|--------------|
| RANGE VOLTS AC and DC ( $\pm$ )        | 1,000         | 750          | 750          | 750          |
| MAXIMUM INPUT CONTINUOUS               | 1,000         | 750          | 750          | 750          |
| INPUT RESISTANCE                       | 10 M $\Omega$ | 5 k $\Omega$ | 5 k $\Omega$ | 5 k $\Omega$ |
| OVERLOAD TEST VOLTS TRMS (<5 sec.)     | 2,500         | F.S.         | F.S.         | F.S.         |
| REJECTION OF CAPACITIVE COUPLED INPUTS | NA            | 1500 pF      | 1500 pF      | 1500 pF      |
| CONTINUITY TEST                        | NA            | NA           | YES          | YES          |



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