



# Model TL900 SafeSense™ CAT IV Fused Test Lead Set



### Features

- Protective cover
- 2mm probe tip
- Removable 4mm brass caged banana tip
- Fast-acting fuse built-in for added protection
- SafeSense™ technology indicates voltage even after fuse is blown

**Digital MultiMeter Input Impedance Considerations:** When the fuse is blown, the test leads will still allow voltage indication, for safety purposes. Please replace the fuse promptly with one of the same type, rating, and disconnection speed before use. If fuses continue to fail, it may be the result of improper measurement techniques or electrical signals being measured that are beyond the capability of these test leads. Test leads should never be used when there is visible or suspected damage or excessive wear.

### SAFETY INFORMATION

**WARNING:** This term identifies conditions and actions that could result in serious injury or death.

**CAUTION:** This term identifies conditions and actions that could cause damage or malfunction in the instrument.

This manual contains information and warnings that must be followed for safe operation. If the test leads are used in a manner not specified by the manufacturer, the protection provided by the leads may be impaired. The test leads are intended for indoor use only.

### WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. To avoid electrical shock hazard, observe the proper safety precautions when working with voltages above 60 VDC or 30 VAC rms. These voltage levels pose a potential shock hazard to the user. Do not touch test lead tips or the circuit being tested while power is applied to the circuit being measured. Keep fingers behind the finger guards of the test leads during measurement. Inspect test leads for damaged insulation or exposed metal before using. If any defect is found, replace immediately. Do not measure any current that exceeds max. Current rating specified. Do not attempt a current measurement on any circuit where the open circuit voltage is above the max. Voltage rating specified.

### INTERNATIONAL ELECTRICAL SYMBOLS

- Caution! Refer to the explanation in this Manual
- Double Insulation or Reinforced insulation
- Safety testing compliance (Canada and U.S.)

### SPECIFICATIONS

Meets EN / IEC 61010-031:2002 + A1:2008 for Measurement Categories CAT III 1000V, 10A and CAT IV 600V, 10A; *Probe body and test leads were tested together and certified by UL to the above; only the probe body is marked with the UL symbol.*

- Measurement Category without protective caps: CAT II 1000V, 10A
- Operating Temperature: -20°C to 50°C (-5 to 120°F)
- Fuses (one for each test lead): AC/DC 1000V/11A/20KA (10x38mm)
- Test Lead: Two 5.3ft (1.6m) high quality silicone test leads with banana plugs

### CLEANING

Periodically wipe the test leads with a damp cloth and mild detergent; do not use abrasives or solvents.

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