

Allied Edison LLC



LDL 1100 and LDL 1200 Live Dead Live Meter Verifier Proving Units designed for the 21st century



How do you comply with NFPA 70E 120.5(7), Absence of Voltage Test?

120.5(7) states: “Use an adequately rated portable test instrument to test each phase conductor or circuit part to verify it is de-energized. Test each phase conductor or circuit part both phase-to phase and phase-to-ground. Before and after each test, determine that the test instrument is operating satisfactorily through verification on any known voltage source.” More commonly referred to as a Live dead Live Test.

What is the safest way to perform a Live Dead Live test and how do I choose the best Meter Verification Proving Unit?

OSHAs “Controlling Electrical Hazards” state:

Effects of Electric Current in the Human Body

Current	Reaction
Below 1 milliamperere	Generally not perceptible
1 milliamperere	Faint tingle
5 milliamperes	Slight shock felt; not painful but disturbing. Average individual can let go. Strong involuntary reactions can lead to other injuries.
6–25 milliamperes (women)	Painful shock, loss of muscular control*
9–30 milliamperes (men)	The freezing current or " let-go" range.* Individual cannot let go, but can be thrown away from the circuit if extensor muscles are stimulated.
50–150 milliamperes	Extreme pain, respiratory arrest, severe muscular contractions. Death is possible.
1,000–4,300 milliamperes	Rhythmic pumping action of the heart ceases. Muscular contraction and nerve damage occur; death likely.
10,000 milliamperes	Cardiac arrest, severe burns; death probable

- The LDL 1100 and LDL 1200 are current limited to less than 5.0 mA.

- The Allied Edison LDL 1100 and LDL 1200 Meter Verification Units are the only units on the market holding a United States Patent.
- Does not require the load to be connected to provide an output.
- The LDLs have an Auto-Shutoff Switch that will automatically shut the unit off, if accidentally left on, thereby maximizing battery life.
- The LDLS have extended battery life, reported up to two years of non-continuous use.
- The LDLs have a fixed magnet attached (no strap) that holds them firm to a metal surface, for hands free use.
- The LDLs output both AC and DC voltage. (the LDL 1100 = 49 volts and the LDL 1200 = 149 volts, both <5.0mA).
- The LDLs have instructions on the face on how to perform a Live Dead Live test.
- The LDLS are lightweight, convenient, and slightly smaller than a deck of cards.
- The LDLS are the original Meter Verification Units to hit the market and have been used extensively by many industries for many years. (see the LDL video).
- The LDL units have a belt clip on the back.
- The LDL units are designed with AE meticulous, rigid durability standards.
- The LDL units have a brightly illuminated LED that when “On” verifies the unit is functional, when ‘Off”, the unit is non-functional. This leaves no equipment doubt during the LDL test.

- The LDL Meter Verifier is a tool by which compliance with NFPA 70E 120.5(7) is made easy.

For pricing, bulk price reductions, additional information, contact

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