

APPLICATION NOTE

9 tools that help protect electrical workers

1 Noncontact Infrared Thermometers

Among the simplest noncontact test tools to use—stay off ladders, away from heat.

2 Visual Infrared Thermometers

Create digital infrared heat map of the inspection target from up to 10 ft. away.

3 Infrared Cameras

A highly informative thermal image without making contact with equipment.

4 Infrared Windows

Inspect energized components with the panel door closed.

5 Laser Distance Meters

Noncontact measurements of up to 200 ft (61 m) from the floor.

6 Noncontact Voltage Detectors

Help verify that a panel, circuit or device is de-energized before touching.

7 Remote Display Multimeters

Inspect motor, other energized components from up to 30 ft. (9 m) away.

8 Wireless Test Tools and Software

Electrical, thermal, vibration measurements from 60 ft. (18 m) and shared anywhere.

9 Proving Units

Portable sources of a verified voltage can satisfy some elements of 2015 NFPA 70E 110.4(B)(5).

These test tools help create a safer and more efficient work environment by moving the technician or electrician further away from the electrical hazard



Noncontact laser distance meters allow one person to electronically measure long distances with greater safety.

A visual infrared thermometer is a quick and efficient way to scan equipment from up to 10 ft. away.

Remote display multimeters help keep technicians out of the arc flash zone.

Evolving to a Safer Future

Wireless tools and their corresponding software are continuing to evolve. With some wireless tools, technicians can view measurements in real time on their phones, laptops or tablets and share those results with team members in multiple locations. Measurement data also can be stored securely in the cloud and accessed by authorized users next time they're on-site, allowing for better decision-making on the fly. That's the true source help identify problems while they are small and easily correctable.