

# How GracePESDs® Comply with NFPA 70E for Absence of Voltage Testing



## WHAT ARE PERMANENT ELECTRICAL SAFETY DEVICES?

Permanent Electrical Safety Devices (PESDs) provide a safer and more productive means of performing Mechanical or Electrical Lockout/Tagout (LOTO). PESDs such as the Voltage Test Station (VTS) combine a voltage presence LED indicator with a high-impedance protected Safe-Test Point™ for Absence of Voltage Testing.

## IS THE SAFE-TEST POINT™ COMPLIANT TO NFPA 70E FOR ABSENCE OF VOLTAGE TESTING?

Yes, other than testing at the source, there are two product categories recognized by NFPA 70E that are suitable for a safer means of performing an Absence of Voltage Test:

- The Safe-Test Point™ is a Permanently Mounted Accessory listed to UL 61010 that meets NFPA 70E Article 120.5 (7)
- Push-Button Absence of Voltage Testers (AVTs) are Permanently Mounted Testers listed to UL 1436 that meet NFPA 70E Article 120.5 (7) Exception No. 1

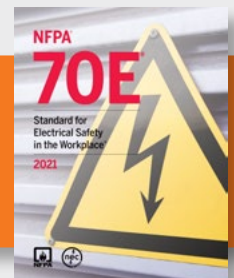
Either category is **acceptable** for **Absence of Voltage Testing per NFPA 70E**

## HOW DOES A PERMANENTLY MOUNTED ACCESSORY WORK?

Our VTS and Safe-Test Point™ are designed to work hand-in-hand with a qualified electrical worker's trusted portable test instrument portable test instrument such as a multimeter.

Are the Voltage Test Station and Safe-Test Point™ NFPA 70E compliant? **Yes!**

Do they meet Exception 1? **No.** Do they need to? **No.**

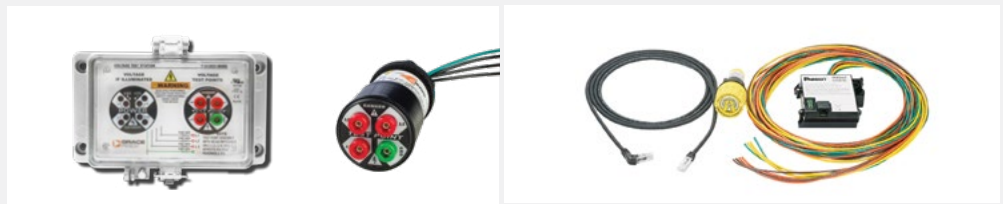


## WHY IS THERE CONFUSION ABOUT NFPA 70E ARTICLE 120.5 (7) VERSUS EXCEPTION NO. 1?

Other manufacturers of Permanently Mounted Testers have used **Exception No. 1 to imply they are more compliant** than Permanently Mounted Accessories, however, **you don't have to meet Exception No. 1 to be in compliance for Absence of Voltage Testing.**

**Permanently Mounted Testers** are relatively new to the market and typically feature a push-button verification that is battery powered, unlike the VTS & Safe-Test Point™ that are hardwired directly to the source.

While we both seek to do the same job of confirming voltage absence, we simply do it in different ways that are equally in compliance with NFPA 70E. GracePESDs® were designed for direct compliance with NFPA 70E and qualified personnel who use their trusted portable test instrument, such as a multimeter, to verify Absence of Voltage.



NFPA 70E Article 120.5(7) 2021 Edition	Permanently Mounted Accessory GracePESDs® Safe-Test Point™	Permanently Mounted Testers: AVTs
Meets NFPA 70E 2021 Article 120.5 (4) and (7) Compliance	Yes	Only via Exception No. 1
Can Perform an Absence of Voltage Test	Yes (with an adequately rated portable test instrument)	Yes (with built in electronic circuitry)
Battery Required	No	Yes
Electrical Safety Program Training	Same as NFPA 70E Article 120.5(7) Live-Dead-Live Test	Requires NEW procedure and employee training
Installation/Instruction Manual	3 pages	21 pages

### LEARN MORE

This document is a simple guide for understanding absence of voltage testing between GracePESDs® and alternative Absence of Voltage Testers. For a more information, please click on the video on the right to view "Facts, Myths, and Misinformation of GracePESDs®" or contact [Sales@GraceTechnologies.com](mailto:Sales@GraceTechnologies.com) to speak directly with a representative about GracerPESDs® today.

