

**VeriSafe™ Absence of Voltage Testers**  
**The Safe Way to Verify the Absence of Voltage.**



The VeriSafe Absence of Voltage Tester is a permanently-mounted tester that is used to verify a circuit is de-energized prior to opening an electrical enclosure. Once installed, a push of a button enables personnel who have been trained on the operation of the tester to verify the absence of voltage and see an active indication when the absence of voltage is confirmed.

By automating this process, the VeriSafe™ Absence of Voltage Tester:

- Reduces the risk of exposure of electrical hazards for improved worker safety
- Reduces testing procedure time and complexity to improve productivity
- Supports compliance when used to verify the electrical lockout/tagout process as described in NFPA 70E

**System Components**

**1 Indicator Module**

- 30mm knockout, mount on exterior of enclosure
- Operate and maintain without exposure to electrical hazards
- Instruction label with operating instructions

**2 AVT System Cable**

- Connects isolation module to indicator module
- 600V cable available in multiple lengths for easy installation
- Replaceable with connectors on each end
- Replaceable with additional lengths
- Right angle connector at indicator module saves space

**3 Isolation Module**

- Prevents hazardous voltage from reaching door
- Universal mounting (DIN rail or surface tabs)
- Output contacts provide ability to create alarms or communicate with other systems

**4 Sensor Leads**

- Can be installed on line or load side of electrical disconnect
- Two leads per phase; must be physically separated from each other

**Simple Battery Replacement**

- Long-life industrial battery
- Replaceable from outside the enclosure
- Interior battery compartment is fingersafe (IP20)
- No tools required



Instruction Label



Shown: VS-AVT



Shown: Isolation Piercing Connectors

### VeriSafe™ Absence of Voltage Tester (AVT)

The VeriSafe™ Absence of Voltage Tester minimizes risk by verifying the absence of voltage before equipment is accessed, making it easier for workers to verify an electrically safe work condition has been established in a fraction of the time compared to using hand-held portable test instruments.

- Improved Safety & Risk Reduction
  - Determine voltage status BEFORE equipment is accessed
  - Prevents direct exposure to electrical hazards
- Increased Productivity
  - Easy to use, initiate test with the push of a button
  - No additional tools required
  - Provides visual alert to abnormal power conditions
- Simplified Process for Easier Compliance
  - Test sequence based on the steps in NFPA 70E for verification of an electrically safe work condition
  - Automated test helps reduce operator errors
- Reliable Results
  - Fail-safe design with active indications
  - Safety functions meet SIL 3 per IEC 61508-1
- Flexible Applications
  - Designed for testing three-phase circuits up to 600V
  - Install on line or load side of electrical disconnect
  - Detects absence of AC and DC voltage
- Multiple Environments
  - All VeriSafe™ Absence of Voltage Testers are tested to Type (UL, NEMA and CSA) 1, 12, 13, 4, 4X, IP66, or IP67 VS-AVT2 parts are rated to Class 1 Division 2, and Class 1 Zone 2 environments



Shown: VS-AVT

Part No.	Description
<a href="#">VS-AVT-C02-L03</a>	VeriSafe™ Absence of Voltage Tester with 2 ft. system cable, 3 ft. sensor leads
<a href="#">VS-AVT-C08-L10</a>	VeriSafe™ Absence of Voltage Tester with 8 ft. system cable, 10 ft. sensor leads

### VeriSafe™ Insulation Piercing Connectors

- The VeriSafe™ Insulation Piercing Connector provides a fast, secure, and reliable way to terminate AVT sensor leads.
- The compact connector design accommodates up to two taps in a single housing that fully insulates both connections.
- The patent pending connector allows taps to be made without compromising the integrity of conductors and includes integrated strain relief.
- Ideal for new and retrofit applications, connections can be made without modifying existing conductor runs.



Part No.	Description
<a href="#">VS-CKP14-6</a>	VeriSafe™ Insulation Piercing Connection Kit for Tapping 14 to 6 AWG conductors. Kit includes 3 connectors for installment of 1 AVT

Additional connection options and cable accessories can be found on [www.panduit.com/verisafe](http://www.panduit.com/verisafe).