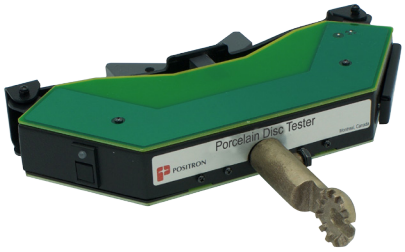
POSITRON
Power Division

Porcelain Insulator Disc Tester
for Energized Distribution Lines

Model
3782651U

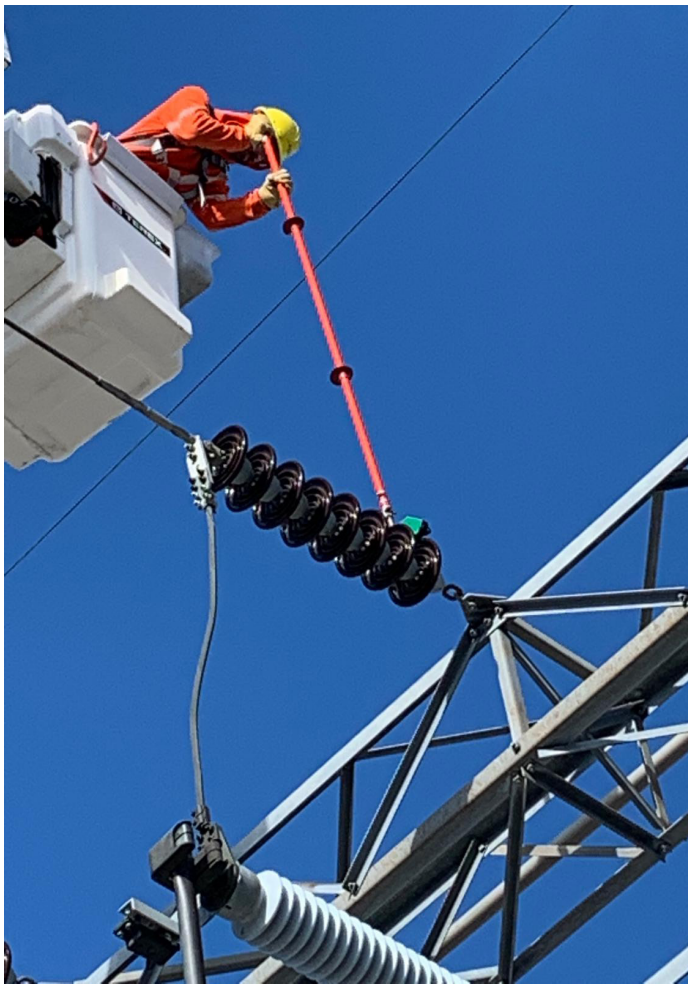
Used for suspension and dead-end porcelain insulator strings

Detects Defective Conductive Discs with 100% Reliability



The tester instantly alerts the user to any defective conductive discs in energized insulator strings. It is used as a safety tool to ensure safety for the maintance workers and as a maintanance tool that verifies the integrity of porcelain insulator strings. It alerts the user to defective discs enabling timely preventative maintenance.

You will know instantly whether it is safe to work nearby and if maintenance or repair is necessary.



The Positron testers' reliability has been validated by major power utilities worldwide

DETECTION:

- Instantly detects defective discs
- Detects visible and non-visible defects and contamination issues
- Alerts user with audible and visual alarm
- Uses Positron's patented Electric Field detection technology

OPERATION

- Easy to use, takes seconds
- Single button operation
- Lightweight 0.9 lb (408 g)

SAFE TO USE:

- Safe to use - makes no eletrical contact with discs
- Does not create a short
- Does not inject any voltage or current
- Guaranteed not to cause any flashover

RELIABLE DETECTION

- 100% GUARANTEED TO DETECT ANY SAFETY ISSUE
- Proven technology with thousands of users
- Never failed to detect a safety issues over 20 years

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Protects The Safety of Personnel
Eliminates Costly Power Interruptions, Outages and Dangerous Conditions

The Porcelain Insulator Disc Tester is equipped with a high dielectric, pressure-switch actuator assembly that makes physical, non-conductive contact with the porcelain disc insulators.

Operation: Attach the lightweight sensor probe to a hot stick. The operator then applies pressure on the pin of each disc. Each conductive disc causes an electric field distortion. The tester will sense the distortion, indicating the presence of a defective discs and instantaneously alert the user with an audible and visual alarm.

Quick assessments can be made periodically to ensure safe conditions, prevent power outages and equipment damage caused by failed insulators. Designed for energized testing, this tester removes the need for planning and de-energizing sections to test questionable porcelain insulator strings.

Provides Instantaneous Detection of Defects

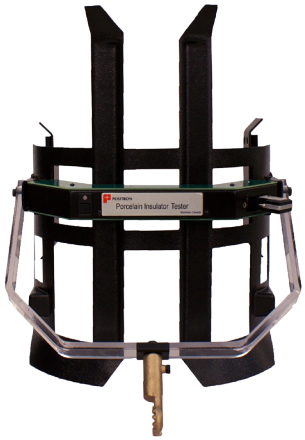
- Reads the E-Field and analyzes the field distortion caused by conductive discs
- Instantly alerts operator of any defective discs with audible and visual alarm
- The insulators are tested without interrupting power transmission
- Removes the guesswork associated with high voltage asset assessment
- Completely safe. The tester makes no electrical contact with energized insulators

Specifications:

- Very light weight: 0.9 lb (408 g)
- Compact 11”x 9”x 2” (27cm x 23 cm x 5 cm)
- Works with 6 to 14 discs [115kv to 230kv]
- Available in 50 Hz and 60 Hz versions
- Operational temperature range: -20°C to +50°C (-4°F to +125°F)
- Charging adapter with full charge LED Indicator
- Powered by NiCad battery, which can last for two days of testing depending on usage
- Universal hotstick mounting attachment

Rugged Carrying Case

Others Positron testers: Transmission Line and Substation Testers [up to 1000 kv]



Porcelain String Insulator Tester

Composite Insulator Tester

Substation Insulator & Bushing Tester

The Positron Transmission Line Testers have adjustable sleds to facilitate quick sliding of the tester module along long insulators or insulator strings.

The Positron Substation Tester has a sliding ski guide for insulator strings or bushings and can accommodate all sizes and shapes.

These testers instantly detect and alert defects and dangerous conditions to the user. They also provide a downloadable permanent record of the results.

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