

Positron High Voltage Live Line Testers For Ceramic & Polymer Insulators



Applications



Protects the Safety of Personnel Eliminates Costly Power Interruptions and Outages

- **Safe to use:** Does not make electrical contact with the lines or insulators
- **Proven electric field detection technology methodology**
- Does NOT rely on line of sight, heat (Infrared), corona discharge (Ultra Violet) or acoustics with limited reliability
- **100% reliable to detect all conductive defects including early stage defects and contamination**

Reliably used and validated by major Power Utilities worldwide

Used for insulators on:

Overhead Transmission and Distribution Lines

Electric Railways

Power Stations:

- Current and voltage transformers
- Circuit breaker bushings
- Lightning arrestors
- Coupling capacitors
- Station hollow posts
- Polymer posts and cable terminations

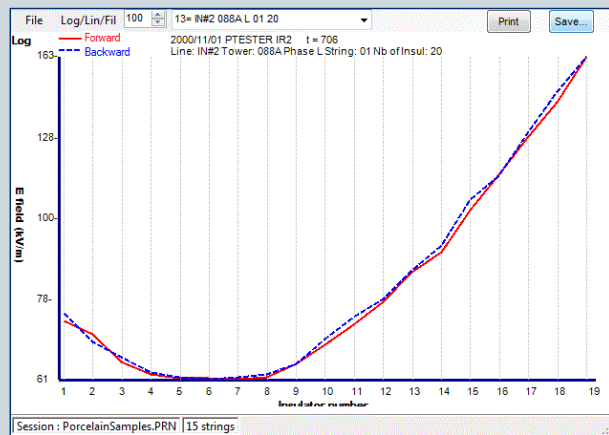
Instantaneous Graphical Output of Insulator Tester Readings

- Positron insulator testers are available in Composite, Porcelain and Universal versions
- Scans insulators and insulator strings in less than one minute
- On the spot instant reporting of defects and the severity of the defects
- Field readings can be automatically stored in a database for future reference, analysis and assessment of degradation over time
- The records are used to schedule maintenance on defective insulators when it is convenient
- Positron offers equipment loan trials for qualified customers

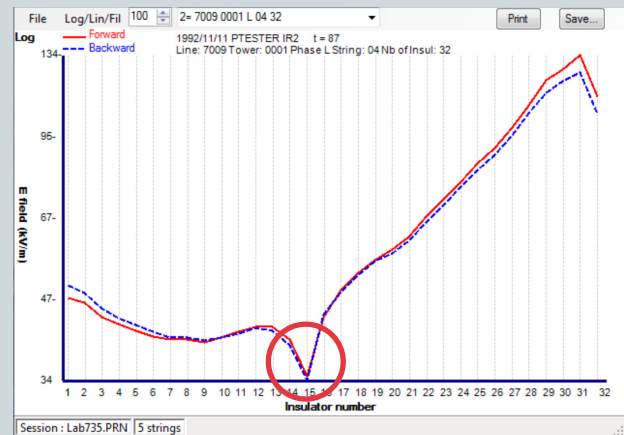


A graphical output is transmitted to a Tablet/PC via a long range Bluetooth

Graphical Output of Porcelain Insulator String

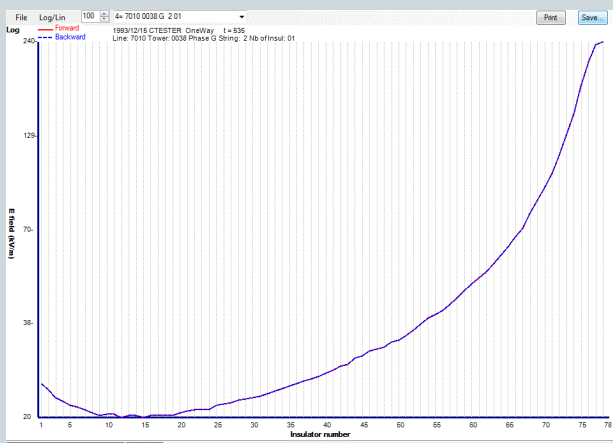


Readings of a **Good** Porcelain Insulator String

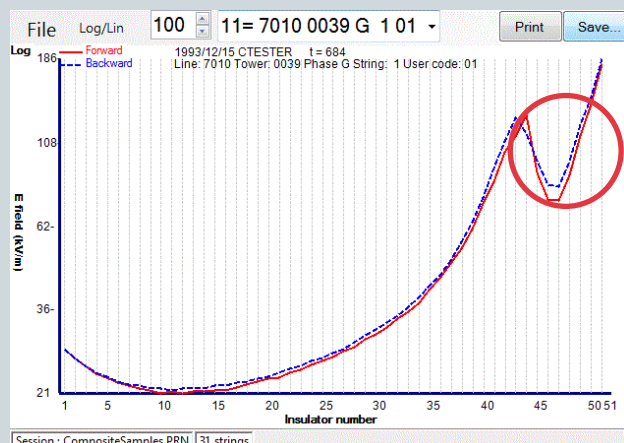


Readings of a **Faulty** Porcelain Insulator String

Graphical Output of Composite Insulators

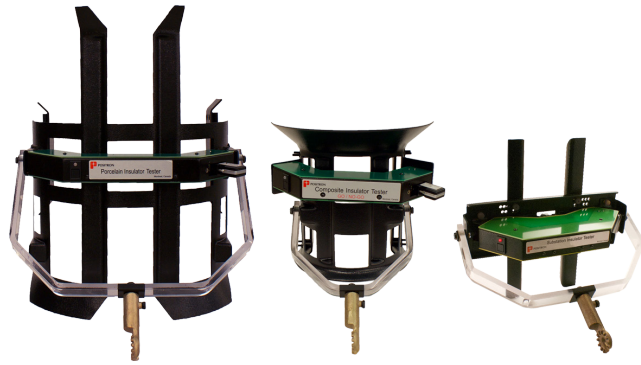


Readings of a **Good** Composite Insulator



Readings of a **Faulty** Composite Insulator

Positron Insulator Testers in Use



PORCELAIN
TESTER

COMPOSITE
TESTER

SUBSTATION
TESTER



Rugged Carrying Case

- Works with voltages up to 1,000 kV
- Rugged and lightweight (less than 1.6 kg)
- Available in 50 Hz and 60 Hz versions



Testing Bushing Insulators in a Substation



Testing Polymer Insulators on 345kV HV Line



Testing Porcelain Insulators with a Helicopter



Testing 25kV Post Insulators in Railways

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