

PONOVO Power Test Relay Testing Software

Power Test is the software that includes all our relay testers. It allows users to test our different relay tester. The Power Test Software has three packages: Basic, Protection and Advanced, which provides incomparable benefits for users. Each of these packages contains different tests for different users' needs. All our Power Test versions are compatible with Microsoft Windows 7, Microsoft Windows XP, Microsoft Windows VISTA.



Features

- Power Test is designed with advanced concept and is based on new platform with great flexibility.
- Unlike other relay test software PowerTest uses the concept of TEST MODULES. One test module is designed to perform one particular test function. In this way user will not see too much parameters on the test page.
- User can easily compose one test procedure by putting different test modules in one Task to do more complicated test.
- New test modules can be added to the software without extra programming work. PONOVO is making continuously effort to design new test modules for particular test applications. Users can download new test modules from PONOVO website.

Main Specifications

Basic Package	
QuickTest (4V,3I)	anually or automatically control over 4 voltage and 3 current sources
QuickTest(4V,6I)	Manually or automatically control over 4 voltage and 6 current sources
QuickTest (VL-L,3I)	Manually or automatically control over L-L voltage and 3 current sources
QuickTest (Sequence)	Manually or automatically control over sequence voltages, including positive sequence, negative sequence and zero sequence voltages
QuickTest (Power)	Manually or automatically control over output power
QuickTest(Z,IConst)	Manually or automatically measure Z with current is constant
QuickTest(Z,VConst)	Manually or automatically measure Z with Voltage is constant
QuickTest(Z,ZsConst)	Manually or automatically measure Z with Zs is constant
Time	Check the tripping time

Ramp(3I)	Realize the ramping for different quantities in 3 current mode
State Sequence (4V,3I)	Flexible edit of test sequences in 3 current and 4 voltage mode
State Sequence(4V,6I)	Flexible edit of test sequences in 6 current and 4 voltage mode
Harmonic	Edit harmonic components to output
CB Operation	Simulate the whole test scheme
Transplay(4V, 3I)	Play back COMTRADE format file
Non- electricity check	Manual check module to be included in a test plan
Protection package	Basic package is included
Distance(R-X)	Check zone settings (R-X) of impedance relay
Distance(Z-Phi)	Check zone settings (Z-Phi) of impedance relay
Directional	Check directional Relay
Differential (3I)	Check IR/ID characteristic of differential relay with 3 currents
Differential(6I)	Check IR/ID characteristic of differential relay with 6 currents
Time Inversed Current	Check time inversed current relay based on IEC standard
Time Inversed Voltage	Check time inversed voltage relay based on IEC standard
Frequency Relay	Check under frequency relay
Voltage Relay	Check under voltage relay
Auto-Reclosing	Check Auto-reclosing function
U,I,T Relay (DC)	Check ac type auxiliary relay and time relay
U,I,T Relay (AC)	Check dc type auxiliary relay and time relay
Advanced package	Basic and Protection packages are included
RX Characteristic Sweep	Search out the boundary of impedance relay
Advanced differential(3I)	Search out the IR/ID curve of differential relay with 6 current output and harmonic block

Advanced differential(6I)	Search out the IR/ID curve of differential relay with 6 current output and harmonic block
Synchrhronizer	Test synchronizer device
Advanced Transplay(4V, 3I)	Edit and Play back COMTRADE format file
Special	
Power Swing Simulation	Simulate the power swing with pre-set dz/dt
Enery Meter	Check enery meters(PACB108 scanning head is required)
Transducer	Check Transducers
High Burden Relay	Test high burden relay(Phpc01 accessory is required)
IEC 61850	
QuickTest (IEC)	GOOSE configuration, interpretation and publishing
State Sequence(IEC)	Edit more complication state sequence based on IEC61850
New Modules	Can be downloaded from the website after registered
Loss of Excitation	Check loss of Excitation
Quick Test(Harmonic)	Manuallly or automatically output 2nd to 20th harmonic source
Transplay(6V, 6I)	Play back COMTRADE format file