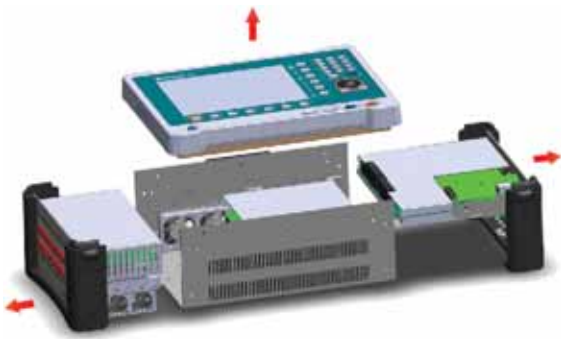




# ***POM2***

## ***Universal Test System***





## » Modular structure

- Revolutionary modular structure design with only 4 modules.
- Disassembling and assembling work can be completed in less than 15 minutes.
- Easy local maintenance by our local agent or even by user himself.



## » Local control

- Quick operation and convenient button control
- built-in industrial mouse
- 10.4 inch color LCD display
- 20 built-in test-ready modules capable for testing all type of relays
- More optional test modules can be added upon user request
- Report can be saved to flash drive through USB port



## » External PC control

- POM2 can also be controlled via PowerTest relay test software running on external PC



## » Configuration Examples

- POM2-6142: 6×15A, 4×150V
- POM2-6143: 6×15A, 4×300V
- POM2-3142: 3×15A, 4×150V
- POM2-3143: 3×15A, 4×300V

## » POM2-6143 Specifications

Current	6×15Aac/dc
Voltage	4×300Vac/dc
Frequency	dc ... 1kHz
Phase angle	-360° - +360°
DC measurement	±10V, ±20mA
Binary inputs	8; 0-400V dc or ac(peak) with adjustable threshold or potential free
Binary outputs	4
Auxiliary DC	0-300V
IEC61850 GOOSE	Support
IEC61850 sampled value	Support
Dimension	390x287x194mm
Weight	12kg without control panel, 13.6kg with control panel
Power Supply	110-240Vac,50-60Hz

## » Application

### Relay test:

- Line protection
- Differential protection
- Directional relay
- Time-inversed current relay
- Auto-reclosing, etc

### Measuring and control device:

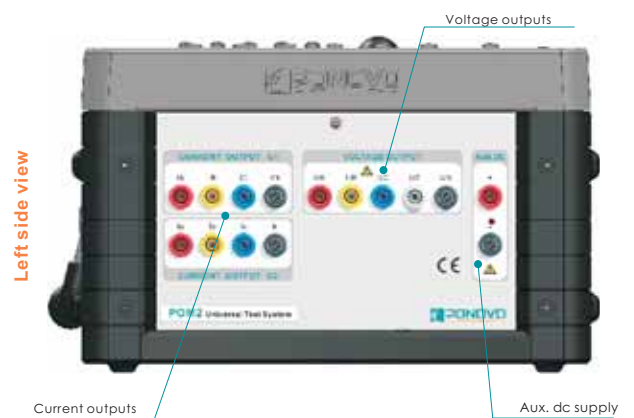
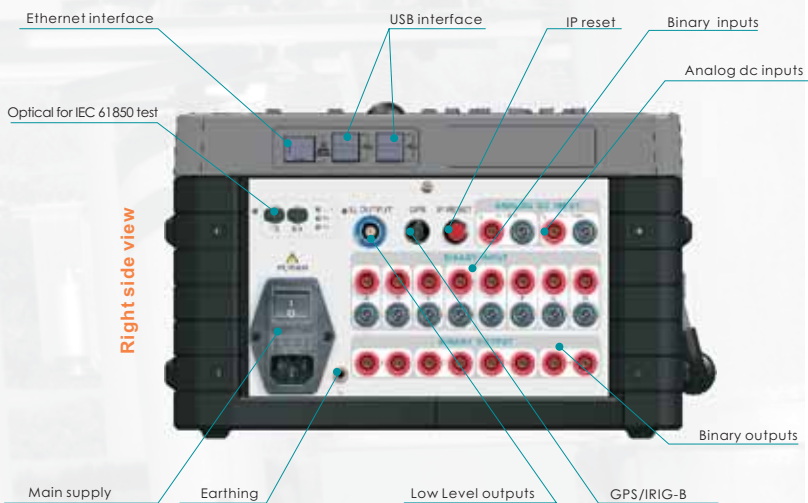
- Synchronizer
- Transducer
- Energy meter
- $df/dt$ , etc

### System simulation:

- Transient, steady-state fault simulation
- Playback of COMTRADE format file

### Calibration:

- 0.5 Class energy meter
- disturbance recorder
- indicating meters, etc



Sides layout for POM2-6143 Universal Test System

## ➤ Local control test modules for POM2-6143

Module	Description
QuickTest (4V, 3I)	Manually or automatically control over 4 voltage and 3 current sources
QuickTest (4V, 6I)	Manually or automatically control over 4 voltage and 6 current sources
Ramp (3I)	Realize the ramping for different quantities in 3 current mode
Ramp (6I)	Realize the ramping for different quantities in 6 current mode
Time Inversed Current	Check time inversed current relay based on IEC standard
Directional	Check directional relay
Time	Check the tripping time
df/dt Relay	Check under frequency relay
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
Distance (Z-Phi)	Check zone settings (Z-Phi) of impedance relay
Distance (R-X)	Check zone settings (R-X) of impedance relay
Differential (6I)	Check IR/ID characteristic of differential relay with 6 currents
Differential (3I)	Check IR/ID characteristic of differential relay with 3 currents
U,I,T Relay (AC)	Check ac type auxiliary relay and time relay
U,I,T Relay (DC)	Check dc type auxiliary relay and time relay
Harmonic	Edit harmonic components to the output
SOTF	Check Switched-On-To-Fault
Auto-Reclosing	Check Auto-Reclosing function
TransPlay (4V, 3I)	Play back COMTRADE format file

## ➤ PowerTest Relay Test Software

- Modular software design, easy to build comprehensive test plan
- More than 50 test-ready modules to meet various test requirement
- Can work with flexible relay test templates to improve efficiency and save time
- Compatible with Windows XP, Windows 7, Windows 2000





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