

PW466i

Protective Relay Test Set



Specifications

Voltage generators

Setting range

6-phase ac(L-N) 6×0~150V

1-phase ac(L-L) 1×0~300V

dc (L-N) 6×±0~150V

dc (L-L) 1×±0~300V

Power

6-phase ac(L-N) 6×30VA at 150V

3-phase ac(L-N) 3×60VA at 150V

1-phase ac(L-L) 1×100VA at 300V

dc (L-N) 6×40W at 150 V

Accuracy error < 0.08% rd.+0.02% rg. guar.
error < 0.04% rd.+0.01% rg. typ.

Ranges 150V

Resolution 5mV for 150Vac

Distortion < 0.05% typ.
(< 0.1% guar.)

Current generators

Setting range

6-phase ac(L-N) 6×0~20A

3-phase ac(2L-N) 3×0~40A

1-phase ac(6L-N) 1×0~120A

dc (L-N) 6×±0~20A

dc (6L-N) 1×±0~120A

Power

6-phase ac(L-N) 6×180VA typ., at 20A
6×150VA guar., at 15A

3-phase ac(2L-N) 3×320VA typ., at 40A
3×240VA guar., at 30A

1-phase ac(6L-N) 1×600VA typ., at 120A
1×450VA guar., at 90A

1-phase ac(L-L) 1×450VA typ., at 30A

Max compliance voltage(L-N)(L-L)
15Vpk/30Vpk

dc (L-N) 6×100W at 10A

dc (6L-N) 1×480W at 60A

Accuracy error < 0.15% rd.+0.05% rg. guar.
error < 0.08% rd.+0.02% rg. typ.

Ranges 20A or 40A

Resolution 1mA

Distortion < 0.05 % typ.
(< 0.1 % guar.)

General

Frequency

Sine signal DC, 0.001Hz~1000Hz

Transient signal DC~10.0 kHz

Accuracy ±0.3ppm

Resolution 0.001Hz

Phase

Angle range -360°~+360°

Accuracy <0.05° typ.,
<0.1° guar.
at 50/60Hz

Resolution ±0.001°

Auxiliary dc supply

Voltage range	0~300V
Power	88W at 110V, 176W at 220V, 120W at 300V
Accuracy	error < 0.1% rg. typ. (<0.5% rg. guar.)

Binary inputs

Number	8
Input characteristics	0~400Vdc/ac peak threshold or potential free
Time resolution	100μs
Max. measuring time	Infinite
Debounce/Deglintch time	0~25ms
Counting function	< 3kHz at pulse width>150μs

Binary outputs, relay

Number	4
Type	Potential free relay contacts, software controlled
Break capacity ac	Vmax: 300Vac /Imax: 8A /Pmax: 2000VA
Break capacity dc	Vmax: 300Vdc /Imax:8A /Pmax: 150W

In-built monitoring and recording

Monitoring	currents and voltage outputs
Recording	analog outputs, binary inputs/outputs status
Mode	real time monitoring, no external wiring is required
Recording length	16s

Power supply

Nominal input voltage	110~240Vac
Permissible input voltage	90~260Vac
Nominal frequency	50/60Hz
Permissible frequency	45~65Hz

IEC61850 Goose function (Optional)

Interpretation hardware is in-built. Please contact the supplier for options to activate the IEC61850 software support Goose function

Environmental conditions

Operation temperature	0~+50°C
Storage temperature	-25~+70°C
Relative humidity	5~95% non-condensing
EMC(E&I)	EN/IEC 61326-1 EN/IEC 61000-3-2/3 EN/IEC61000-4-2/3/4/5/6/8/11/18
Environment	EN/IEC 60068-2-1/2/3/6/27
Safety	EN/IEC 61010-1/1-12/2-030 EN/IEC 60255-25/27
Others	FCC Part 15:Sub B ECS-001:2006 LVD EU

Others

PC connection	Ethernet,10M/100M
GPS interface	DB9/TTL
Ground Socket(earth)	4mm banana socket, front side
Weight	20kg
Dimensions (WxHxD)	360mm ×157mm×367mm

PONOVO POWER CO., LTD.

No.139 Jinghai Third Road, BDA, Beijing, China. 100176
Tel : +86 (10) 59089666
Fax: +86 (10) 59089999
www.ponovo.net
info@relaytest.com
support@relaytest.com

