



PW466i Universal Test System

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

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)	6×40 W at ±150 V

Accuracy	
	error < 0.08 % rd.+0.02 % rg. guar., at 0~150 V
	error < 0.04 % rd.+0.01 % rg. typ., at 0~150 V

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/32Vpk
dc (L-N)	6×100W at ±10A
dc (6L-N)	1×480W at ±60A

Accuracy	
	error < 0.15 % rd.+0.05 % rg. guar., at 0~20 A
	error < 0.08 % rd.+0.02 % rg. typ., at 0~20 A
Ranges	
	20A or 40A
Resolution	
	1mA
Distortion	
	< 0.05 % typ. (< 0.1 % guar.)

General

Frequency	
Sine signal	DC, 1~2000Hz
Transient signal	DC~10.0 KHz
Accuracy	
	±1ppm
Resolution	
	0.001 Hz

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 threshold or potential free
Time resolution	100µs
Max. measuring time	infinite
Debounce/Degitch 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 upgrade

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

Environmental conditions

Operation temperature	0~+50°C
Storage temperature	-25~+70°C
Relative humidity	5~95% non - condensing
EMC (Emission)	IEC-61000-3-2/3
EMC (Immunity)	IEC 61000-4-2/3/4/5/6
Safety	IEC 61010-1

Others

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

