



# PW41i

## Universal Test System

### Specifications

#### Voltage generators

<b>Setting range</b>	
3-phase ac (L-N)	4×0~300V
1-phase ac (L-L)	1×0~600V
dc (L-N)	4×0~300V
<b>Power</b>	
4-phase ac (L-N)	4×75VA at 300V typ.
3-phase ac (L-L)	3×100VA at 300V typ.
1-phase ac (L-L)	1× 200 VA at 600V typ.
dc (L-N)	4×100W at ±300 V
<b>Accuracy</b>	< 0.16% rd.+0.04 %rg. guar., < 0.08% rd.+0.02 %rg. typ.
<b>Ranges</b>	300V
<b>Resolution</b>	10mV
<b>Distortion</b>	0.1 %

#### Current generators

<b>Setting range</b>	
3-phase AC(L-N)	3×0~40A
1-phase AC(3L-N)	1×0~120A
dc (3L-N)	1×0~60A
<b>Power</b>	
3-phase AC(L-N)	3×65VA at 5A 3×400VA at 40A
dc (3L-N)	700W at 60A
<b>Accuracy</b>	< 0.16% rd.+ 0.04 % rg. guar., < 0.08% rd.+ 0.02 % rg. typ.
<b>Distortion</b>	0.1%
<b>Resolution</b>	5mA

#### General

<b>Frequency</b>	
<b>Range</b>	DC, 0.001Hz~1000Hz
<b>Accuracy</b>	0.002% at 50Hz
<b>Resolution</b>	0.001Hz
<b>Phase</b>	
<b>Angle range</b>	0~360°
<b>Accuracy</b>	0.2°
<b>Resolution</b>	0.001°

#### Auxiliary dc supply

<b>Voltage range</b>	220V, 110V, ADJ(0~300V)
<b>Power</b>	110W at 220V, 55W at 110V, 90W at 300V

#### Binary inputs

<b>Number</b>	8
<b>Input characteristics</b>	Dry/Wet
<b>Max. measuring time</b>	999999.999 s
<b>Accuracy</b>	0.1%±1ms
<b>Resolution</b>	1ms

#### Binary output, relay

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

#### Power supply

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

#### Environmental conditions

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

#### Others

<b>USB Port</b>	2
<b>GPSinterface</b>	DB9/TTL
<b>Ground Socket(earth)</b>	4mm banana socket,front side
<b>Weight</b>	23kg
<b>Dimensions (W x H x D)</b>	364mm×200mm×475mm