



POM2-6143

Universal Test System

Specifications

Binary outputs, relay

Number	4 (1-4)
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

Binary outputs, semiconductor

Number	4 (5-8)
Type	semiconductor
Break capacity	Vmax: 300Vdc /Imax: 0.5A /Pmax: 150W
Update rate	100 μ s
Imax	0.5A

Auxiliary dc supply

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

DC voltage measuring inputs

Measuring range	0 \pm 10V
Accuracy	error <0.02% rg. typ. (<0.05% rg. guar.)
Input impedance	100K Ω

DC current measuring inputs

Measuring range	0 \pm 20mA
Accuracy error	<0.02% rg. typ. (<0.05% rg. guar.)
Input impedance	50 Ω

Low level outputs

Setting range	12 \times 0~10Vpk
Max.output current	1mA
Accuracy	error <0.025 % typ. (<0.07 % guar.) at 1~10Vpk
Resolution	250 μ V
Distortion(THD+N)	<0.05 % typ. (<0.1 % guar.)
Connection	14 pin combination socket

Power supply

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

Environmental conditions

Operation temperature	0 ~+50 $^{\circ}$ C
Storage temperature	-25~+70 $^{\circ}$ C
Relative humidity	5~95% non - condensing
EMC (Emission)	IEC61000-3-2/3
EMC (Immunity)	IEC61000-4-2/3/4/5/6/11
Safety	IEC 61010-1

Others

PC connection	Ethernet, 10M/100M
Low level outputs interface	Circular connector
GPS/IRIG-B interface	Circular connector
IEC61850 Goose and sampled values	Optical interface (Optional)
Ground Socket (earth)	4mm banana socket
Weight	14.5kg without control panel, 16kg with control panel
Dimensions	390x287x214mm(WxDxH)

Voltage generators

Setting range	
4-phase ac (L-N)	4 \times 0~300V
1-phase ac (L-L)	1 \times 0~600V
dc (L-N)	4 \times 0~300V
Power	
4-phase ac (L-N)	4 \times 75VA typ., at 300V
	4 \times 50VA guar., at 300V
3-phase ac (L-N)	3 \times 100VA typ., at 300V
	3 \times 85VA guar., at 300V
1-phase ac (L-L)	1 \times 200VA typ., at 300V
	1 \times 170VA guar., at 300V
dc (L-N)	4 \times 100 W at \pm 300 V
Accuracy error	<0.08 % rd. + 0.02 % rg. guar., at 0~300 V
	<0.02 % rd. + 0.01 % rg. typ., at 0~300 V
Ranges	300V
Resolution	10mV
Distortion	<0.05 % typ. (<0.1 % guar.)

Current generators

Setting range	
6-phase AC (L-N)	6 \times 0~15A
3-phase AC (L-N)	3 \times 0~30A
1-phase AC (3L-3L)	1 \times 0~30A (10A/Phase)
dc (L-N)	3 \times 0~10A
dc (3L-N)	1 \times 0~30A
power	
6-phase AC(L-N)	6 \times 105VA at 15A
3-phase AC(L-N)	3 \times 210VA at 30A
1-phase AC(L-L)	1 \times 420VA at 30A
dc(L-N)	3 \times 100W at 10A
dc(3L-N)	1 \times 300W at 30A
Max compliance voltage(L-N)(L-L)	10Vpk/20Vpk
Accuracy error	<0.08 % rd. + 0.02 % rg. guar., at 0~15A
	<0.02 % rd. + 0.01 % rg. typ., at 0~15A
Ranges	15A or 30A
Resolution	1mA
Distortion	<0.05 % typ. (<0.1 % guar.)

General

Frequency	
Sine signal	1~1000Hz
Transient signal	dc~10.0 kHz
Accuracy	\pm 1ppm
Resolution	0.001 Hz
Phase	
Angle range	-360 $^{\circ}$ ~+360 $^{\circ}$
Accuracy	<0.05 $^{\circ}$ typ., <0.1 $^{\circ}$ guar. at 50/60Hz
Resolution	\pm 0.001 $^{\circ}$

Binary inputs

Number	8
Input characteristics	0-400Vdc or ac (peak) with adjustable threshold or potential free
T ime resolution	50 μ s
Max. measuring time	infinite
Debounce/Deglitch time	0~25ms
Counting function	< 3kHz at pulse width>150 μ s



PONOVO POWER CO., LTD.

2F,4Cell, Tower C, In.Do Mansion, No.48A Zhichun Road, Haidian District Beijing, PR China (100098)
Tel. +86 (10) 8275 5151(reception) Tel. +86 (10) 82755151ext.8887
Fax. +86 (10) 8275 5151-8103 info@ponovo.com.cn www.ponovo.com.cn