



S40A/S10A

Universal Test System

Specifications

Voltage generators

Setting range

3-phase ac (L-N)	3×0. . . 150V
1-phase ac (L-L)	1×0. . . 300V
dc (L-L)	1×0. . . ±300V

Power

3-phase ac (L-N)	3 ×60VA at 150V
1-phase ac (L-L)	1 × 100 VA at 300V (two generators in series)
dc (L-N)	4×48W at ±180 V

Accuracy	< 0.16% rd.+0.04 %rg. guar., < 0.08% rd.+0.02 %rg. typ.,
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Ranges	150V
Resolution	10mV
Distortion	0.1 %

Current generators

Setting range

Model	S40A	S10A
3-phase AC(L-N)	3×40A	3×10A
1-phase AC(L-N)	1×120A	1×30A
dc (L-N)	1×10A	1×5A

Low grade

1-phase AC(L-N)	1 × 0. . . 200mA
(S40A: 3VA at 200mA, S10A: 1.8VA at 200mA)	
dc (L-N)	1 × 0. . . 200mA
(S40A: 4W at 200mA, S10A: 2.5W at 200mA)	

Power

Model	S40A	S10A
3-phase AC(L-N)	3×75VA at 5A	3×50VA at 5A
1-phase AC(L-N)	3×520VA at 40A	3×100VA at 10A
dc (L-N)	90W at 10A	70W at 5A

Accuracy	< 0.16 rd.+0.04 % rg. guar., at 0~30A < 0.08 rd.+0.02 % rg. typ., at 0~30A
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Harmonics	2nd
Distortion	0.1%
Resolution	5mA (1mA, low grade)

General

Frequency	
Range	DC 40 to 100Hz

Accuracy	0.002%
Resolution	0.002 Hz

Phase

Angle range	0 ... 360°
Accuracy	0.2°
Resolution	0.1°

Auxiliary dc supply

Voltage range	0, 24V, 110V, 220V
Power	110W at 220V, 55W at 110V, 12W at 24V

Binary inputs

Number	4
Input characteristics	0-+/-250Vdc or potential free
Max. measuring time	999999.999 s
Accuracy	1ms±0.1%
Resolution	1ms

Binary output, relay

Number	1
Type	Potential free relay contacts, software controlled
Break capacity ac	Vmax: 300Vac /Imax: 1A /Pmax: 125VA
Break capacity dc	Vmax: 300Vdc /Imax: 1A /Pmax: 60W

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°C
Storage temperature	-25 ... +70°C
Relative humidity	5...95% non - condensing
EMC (Emission)	IEC-61000-3-2/3
EMC (Immunity)	IEC 61000-4-2/3/4/5/6/11
Safety	IEC 61010-1

Others

PC connection	USB
Ground Socket (earth)	4 mm banana socket; front side
Weight	18kg
Dimensions (W x H x D)	360mm × 157mm × 367 mm



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