



S40A

Universal Test System

Specifications

Voltage generators

Setting range	
3-phase ac (L-N)	3×0...300V
1-phase ac (L-L)	1×0...600V
dc (L-L)	1×0...±600V
Power	
3-phase ac (L-N)	3×85VA at 300V
1-phase ac (L-L)	1×170VA at 600V
	(two generators in series)
dc (L-N)	3×100W at ±300V
Accuracy	<0.16% rd.+0.04% rg. guar., <0.08% rd.+0.02% rg. typ.,
Ranges	300V
Resolution	10mV
Distortion	0.1%

Current generators

Setting range	
Model	S40A
3-phase AC(L-N)	3×40A
1-phase AC(L-N)	1×120A
dc (L-N)	1×10A
Low grade	
1-phase AC(L-N)	1×0...200mA
	2.5 VA at 200mA
dc (L-N)	1×0...200mA
	3.5 W at 200mA
Power	
Model	S40A
3-phase AC(L-N)	3×65VA at 5A
1-phase AC(L-N)	3×400VA at 40A
dc (L-N)	90W at 10A
Accuracy	<0.16 rd.+0.04% rg. guar., at 0~30A <0.08 rd.+0.02% rg. typ., at 0~30A
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

