



Model S40A/S10A

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) 1×120VA at 300V

(two generators in series)

dc (L-N) 4×48W at ±180V

Accuracy < 0.16% rd.+0.04% rg. guar.,
< 0.08% rd.+0.02% rg. typ.,

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

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

