

S40A

Protection Relay Test Set



Specifications

Voltage generators

Setting range

3-phase ac(L-N) 3×0~300V

1-phase ac(L-L) 1×0~600V

dc (L-N) 3×0~300V

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 ±300 V

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

3-phase ac(L-N) 3×0~40A

1-phase ac(L-N) 1×0~120A

dc (L-N) 1×0~10A

Resolution 10mA

Low grade

1-phase ac(L-N) 1×0~200mA, 2.5VA at 200mA

dc (L-N) 1×0~200mA, 3.5W at 200mA

Resolution 0.1mA

Power

3-phase ac(L-N) 3×65VA at 5A,
3×400VA at 40A

dc (L-N) 90W at 10A

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

Harmonics 2nd

Distortion 0.1%

General

Frequency

Range DC 40 to 100Hz

Accuracy 0.002%

Resolution 0.01Hz

Phase

Angle range 0°~+360°

Accuracy 0.2°

Resolution 0.1°

Auxiliary dc supply

Voltage range 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) IEC61000-4-2/3/4/5/6/11

Safety IEC 61010-1

Others

PC connection USB

Ground Socket(earth) 4mm banana socket

Weight 18kg

Dimensions (WxHxD) 360mm×157mm×367mm



PONOVO POWER CO., LTD.

No.139 Jinghai Third Road, BDA, Beijing, China. 100176

Tel : +86 (10) 59089666 Fax: +86 (10) 59089999

www.ponovo.net

info@relaytest.com support@relaytest.com