

# Switch Life Tester

The series of switch life testers comply with standard terms of IEC 60884-1: 2013 clause 20, 21, figure 16, clause 18 and 19, IEC61058-1 clause 17,etc.

Working together with load cabinet, can achieve making and breaking ability test and the normal operation endurance test of the plugs, sockets and switches for household and similar fixed-electrical installations. The testing purpose is to see whether the switches or the plugs and sockets can endurance the mechanical damage or electric fatigue failure during the normal operation. Whether the contact adhesion occurs or there is a phenomena of being the on (off) station for a long time, which is the criterion of judging the sample is over damage or not.



What our tester can test?

It is suitable for testing the endurance of plugs, sockets, push-button switch, toggle switch, rocker switch and rotary switches (depended on which model client choose).



Plugs, sockets



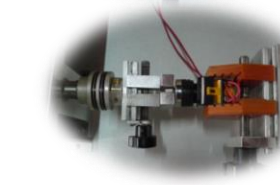
Rocker switches



Button switches



Toggle switches



Rotary switches

# Test stations and test capacity can be customized

We can customize the test stations and test capacity according to client's actual test requirements. Proposals as following:



1  
Station

2  
Stations

3  
Stations

4  
Stations

6  
Stations

Combinable conditions:

1. How many test stations you need?
2. You need linear test station (for testing plugs, sockets, rocker switches, button switch, toggle switches by replacing different sample fixtures or rotary test station (for testing rotary switches only)?
3. You need all the test stations work synchronously or independently?

How to define which model you need?

1. How many test samples you would like to test in the same time?
2. What kind of test samples you will test?
3. You need each test sample to be controlled independently?

# Technical Parameters

Model No.:	SN2116-1	SN2116-2	SN2116-3	SN2116-4	SN2116-6
Station Quantity	1	2	3	4	6
Linear Station /Rotary Station	Linear or rotary	Linear or rotary can be chose or combined	Linear or rotary can be chose or combined	Linear or rotary can be chose or combined	Linear or rotary can be chose or combined
Synchronous Station / Independent Station	Independent	Synchronous or synchronous &independent can be combined	Synchronous or synchronous &independent can be combined	Synchronous or synchronous &independent can be combined	Synchronous or synchronous &independent can be combined
Control system	PLC				
Operation interface	7" touch screen				
Drive mode	Servo motor + ball screw				
Test times	0 ~ 999999 times, can be preset				
Conduction/off time	0 ~ 99.9s, can be preset				
Test stroke	Linear: 0 ~ 100mm, can be preset Rotation: 0 ~ 360°,can be preset				
Test speed	Linear: 0 ~ 200mm/s, can be preset Rotation: 0 ~ 90°/s, can be preset				

# Load Cabinet Work With Switch Life Testers

The switch life testers should work with corresponding load cabinets, then it can achieve the breaking and capacity testing as per IEC 60669-1, IEC 60884-1, etc.



Two Stations



Three Stations

Model No:	SN2117-1	SN2117-2	SN2117-3
Test Station	1	2	3
Control	Button control		
Display	By meters on the cabinet panel or on the touch screen of switch life tester		
Output Voltage per Channel	0 ~ 300V, accuracy $\pm 0.5\%$ , digital display		
Output Current per Channel	0 ~ 30A (can be customized up to max. 60A), accuracy $\pm 0.5\%$ , digital display		
Power Factor per Channel	0.3 ~ 0.98, accuracy $\pm 0.5\%$ , digital display		
Output Power per Channel	0 ~ 10KW (according to actual max. output current, can be customized), accuracy $\pm 0.5\%$ , digital display		
Load Type per Channel	Resistive, inductive, capacitive three-in-one, switchable		
Capacitive Load per Channel	70uf, 140uf, 7.3uf are switchable		
Load Output Interval or Not	Continuous or interval can be switchable		
Test Times	0~999999 times, can be preset		

