

# SPRING TESTER

## SW Series



### Features

- It can measure both compression and tension springs
- Product number registration can be registered up to 100th
- Printing results by built-in Printer
- Easy operate for condition setting and product number registration on touch panel screen
- Optional PC software available
- Spring rate, Free length, Solid height, Pre-tension, Step operation(Up to 3 steps)

## ■ Specifications

Model	SW-1	SW-5	SW-10	SW-50	SW-100	SW-100T	SW-200T	SW-500T
Capacity	10N	50N	100N	500N	1000N	1000N	2000N	5000N
Force resolution	0.0001N	0.001N	0.001N	0.01N	0.01N	0.01N	0.1N	0.1N
Measuring range	0.5% to 100% F.S.( At the time of Force measurement or take Spring rate)							
Force acuracy	±0.2% F.S.							
Unit of measurment	kgf (N, lb, inch for lenth measurement)							
Test speed	10 to 600 mm/min							
Max. measurable length	205mm				390mm	600mm		
Min.length reading	0.001mm							
Length accuracy	±0.05mm (with in the range 150mm)					±0.1mm (with in the range 500mm)		
Manual operation	Select from these      LOW, MID, HIGH,							
Compression plate diameter	Upper ϕ 20 Lower ϕ 60	Upper ϕ 60 Lower ϕ 60				Upper ϕ 150 Lower ϕ 150		
Hook for tensil test	1 stages	2 stages			1 stages			Optional
Size	W460×D350×H541mm				W460× D350× H741mm	W860× D540× H1372mm		W860× D540× H1350mm
Weight Approx.	Approx. 45kg				Approx. 70kg	Approx. 190kg		Approx. 200kg
Power supply	AC100V to 240V							AC100V

## ■ Print function

Printing results by built-in Printer.

It can Print [Date] resisterd [Model number] [Value] [OK or NG].

Print sample

```

DATE 2018/ 5/ 8      17:14: 6
SWF14-35 (LEN-LOAD)  NG
No. 0  Length (mm)  Load (N)
1st  40.000  4.8248  ...
2nd  37.000  7.4945  ...
S.R  0.9566 (N/mm)  NG
F.L  44.930 (mm)    NG
  
```

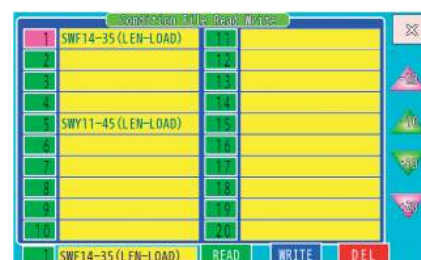
## ■ Operation panel



**Measurement Screen**  
Set the Step operation,  
set the compare value.



**Test Condition**  
Set the measurement condition.  
It can save as Item number.



**Item number resist**  
It can resist the Item number .  
It can set up to 100th.

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