

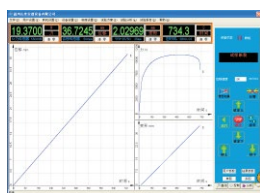
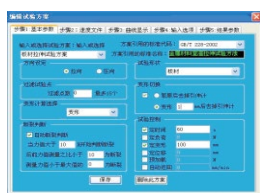


## SDW Series Microprocessor Control Universal Testing Machine

SDW Series Microprocessor Control Universal Testing Machine integrates electronic technology and mechanical drive, with accurate load speed and force testing range. It is a new type of material testing machine, which measures and controls load, strain and displacement accurately and flexibly. This machine mainly test metal and non-metallic material's tension, compression, bend and cut.

### Characteristics

- Microprocessor controls the whole testing, real-time display of load value, displacement value, strain value and testing speed and curve dynamically.
- The crossbeam can stop moving automatically after the sample is broken.
- Save the testing report automatically, can be checked by the time and document name.
- Standard testing report format, custom testing report can be edited.
- All digital, three (force, strain, displacement) control system.
- Mark point on the curve ,magnify,compare and print.
- Perfect limited position protection, over load protection, scram and safety protection function.
- Imported digital type exchange servo system, high drive efficiency, low noise, good stability.
- High accuracy ball screw, improve drive's efficiency and displacement's accuracy.
- High precision sensor, insure testing accuracy.
- High precision strain measurement device, improve strain measurement's accuracy.
- Standard configuration with brand notebook computer, artistic and convenient.



The software Interface  
of testing machine

SDW Series Microprocessor Control  
Universal Testing Machine

### Parameter

Model	SDW-10	SDW-20	SDW-30	SDW-50	SDW-100	SDW-200
Capacity	10kN	20kN	30kN	50kN	100kN	200kN
Accuracy Grade	0.5grade/1grade					
Testing Range	0.4%~100%FS/1%~100%FS					
Relative Testing Value Error	Within±0.5%/Within±1%					
Strain Range	0.02%~100%FS					
Relation Strain Value Error	Within±0.5%					
Position resolution	0.05um/0.1um					
Froce speed ratio regulation range	0.005~5%FS/S					
Froce speed ratio regulation accuracy	When speed<0.05%FS, within±2%; Speed≥0.05%FS, within±0.5%/±1%					
Strain speed ratio regulation range	0.02~5%FS/S					
Relative speed ratio error	Within±0.5%					
Beam speed regulation range	0.001~500mm/min					
Relative beam speed error	When speed≤0.5mm/min, within±1.0%; Speed>0.5mm/mion, within±0.2%					
Constant strength / strain / displacement control range	0.5%~100%FS					
Constant strength / strain / displacement control accuracy	When setting value is≤10%FS, within±0.5%; Setting value is>10%FS, within±1.0%					
Power	220V±10%, 0.4~1kW			380V±10%, 1.5~3kW		
Clearance between columns	400mm					540mm
Valid tension space	Single space: 850mm Double space: 600mm			Single space: 570mm Double space: 500mm		Double space: 500mm
Main body dimension	750×510×1940mm			740×510×1870mm	755×570×1870mm	1090×670×2530mm
Main body Weight	About 300.0kg			About 350.0kg	About 450.0kg	About 1200.0kg

Note: 1. The valid tension space is the space between standard tension grips, which varied according to different clamps;  
2. Regarding to the detail configure and parameter, please refer to the equipment confirmation manual.  
3. the appearance and color depends on the real product.