

- 1 Instrument screen display characteristics: 7-inch high-definition touch screen, interactive intelligent control. One-click switching between Chinese and English operating systems.
- 2 Real-time accurate surveying and mapping: the measurement characteristic curve of load force, displacement and time function. (The curve contains a scale, automatically zoom in and out. Intuitive Describe the hardness, strength, brittleness, viscosity, toughness, work, creep recovery characteristics, stress relaxation characteristics and other physical properties of the sample)
- 3 Quickly and accurately set the starting origin of the probe measurement.
- 4 Dynamic mechanical architecture: precision motion module + high-precision closed-loop servo motor to ensure movement detection accuracy of 0.001mm.
- 5 Instrument security settings: emergency braking + upper and lower limit control + force sensor element overload protection + measurement data encryption.
- 6 System authority management: three levels, multiple users. (User name + password login).
- 7 The computer automatically completes the audit trail record unconditionally: the system database automatically records all the measurement results and processes.
- 8 The online software can simultaneously select current or historical 5 test results (function curves) for comparison and analysis.
- 9 Online software can systematically generate test reports in multiple data formats: Excel, Word, PDF. And print directly in A4.
- 10 Online software supports test playback: any historical test can be played back indiscriminately to view and analyze test details.
- 11 Friendly online software operation interface: menu bar, tool bar, status bar, display bar, curve box, the experiment process is clear.
- 12 Load force measurement accuracy verification measurement: the instrument is equipped with a measurement operation interface; 5 continuous standard sample detection is provided, which is automatically read and displayed Display measurement data, directly judge qualified or out of tolerance. The test report in PDF format is automatically provided by the system to verify the measurement results.
- 13 Deformation displacement accuracy accuracy verification measurement: the instrument is equipped with 1~10mm displacement accuracy measurement operation interface, which is automatically read and displayed The measurement data is directly judged as qualified or out of tolerance. The test report in PDF format is automatically provided by the system to verify the measurement results.
- 14 Auto-calibration accuracy function: if the verification result determines that a certain item is out of tolerance, you can press the auto-calibration correction key to automatically calibrate the accuracy.
- 15 Measuring range: 0~5000g (optional 0~500g, 0~1000g, 0~2000g, 0~5000g)
- 16 Measurement accuracy: 0.001g (real-time display)
- 17 Deformation displacement range: 0~120mm
- 18 Displacement accuracy: 0.001mm (real-time display)
- 19 Measuring speed range: 0.01mm/s~10mm/s
- 20 Speed resolution accuracy: 0.01mm/s
- 21 Bloom-freezing strength test: real-time peak load, peak deformation, final value load, work, cumulative standard deviation.

22 Normal-single compression test: real-time load force, brittleness, toughness, hardness, restoring force, and adhesion.

23 Hold Time-compression hold test: sample creep recovery characteristic test, peak load, final value load, real-time countdown.

24 Cycle Count-Multiple compression test: real-time maximum, minimum, average, last peak, real-time standard deviation, remaining times.

25 TPA full texture test: hardness, brittleness, tenderness, elasticity, toughness, cohesion, cohesion, crispness, chewiness, resilience

