
VP-1000 Vertical Load Tester

VP-1000 vertical load tester is used to detect the top pressure strength, top pressure deformation, flat pressure and side pressure strength of PET bottles or metal cans. The test results can be used as an important basis for controlling and improving product quality; And a number of international test standards; the optimized design of the instrument makes operation and maintenance easier.



Test principle

The plastic bottle is clamped between the two chucks of the vertical load tester fixture, and the two chucks move relative to each other. The force value sensor on the moving chuck and the displacement sensor built in the machine are used to collect the force during the experiment Value change and displacement change, thereby calculating the compressive strength performance index of the sample

Technical characteristics

- 1 According to user needs, a custom test mode can be implemented (up to 4 segment pressures and holding times can be set) to meet various test needs
- 2 The instrument adopts all stainless steel and aluminum design
- 3 Intelligent configuration such as limit protection, overload protection, automatic return, and power-off memory to ensure user's operation safety
- 4 The instrument has 7-inch touch screen control
- 5 The screen can realize dynamic display, maximum pressure value / real-time pressure value / holding time / platform height / platform running direction Screen display parameters: date and time / product name / operator / batch number / sample number / mode setting
- 6 The instrument can store 10 operators and 30 product information, with graded password protection
- 7 Experiment speed can realize stepless speed change of 1-500mm / min

Technical index

Measuring range: 0-1000 / 0-3000 / 0-5000 / 0-10000 N (customized according to requirements)

Resolution: 0.001N

Displacement accuracy: 0.5 level

Test speed: 1-500mm / min (stepless speed regulation)

Division: 1N (measurement range below 5000N) / 10N (measurement range above 10000N)

Sample size: diameter 0-150mm, height: 80-300mm (other sizes can be customized)

Dimension: 500mm (L) x 450mm (W) x 750mm (H)

Net weight: 70kg