

## Resolution 0.1mN Lab Testing Equipment Full Intelligent Measurement And Control Stiffness Tester



### Computer measurement and control full intelligent stiffness tester product introduction

Computer measurement and control full intelligent stiffness tester, cardboard stiffness tester, paper stiffness tester, paper stiffness tester, computer stiffness tester is a multi-functional intelligent computer stiffness tester, suitable for measuring thickness less than 2mm paper, cardboard and other strength sheet-like non-metallic materials with bending stiffness.

The instrument test angle can be arbitrarily set between (1 and 20) °, and the test time can be arbitrarily set within the specified range (3s to 30s). With automatic zero test function, it is the first fully automatic stiffness tester with color touch screen as human-machine interface. It displays the stiffness and time curve in real time. The touch screen is easy and convenient to operate. The instrument has the functions of test, display, memory, statistics and printing of various parameters included in the standard, and provides scientific data analysis for the bending stiffness detection of cardboard.

## Implementation standards

GB/T 23144 "General Principles for the Determination of Static Bending Stiffness of Paper and Paperboard"; GB22364-2008 "Determination of Bending Stiffness of Paper and Paperboard";  
ISO 5628 "Paper and board - Determination of static bending stiffness - General principles";  
ISO 2493 "Paper and board - Determination of bending stiffness".

## Specifications

Measuring range: (1 ~ 10000) mN.m (folding bending moment is (1 ~ 500) mN.m)

Resolution: 0.1mN

Indication variability: ≤1%

Measuring thickness: 2mm

Bending length: 50mm, 25mm, 15mm, 10mm, 5mm; (±0.1mm)

Bending angle: arbitrarily set between (±7.5° or 15°) (1~90°)

Display screen: 4.3" color LCD screen; with graph display

Printer: Thermal printer, printing high speed mute

Communication output: RS232/USB (optional)

Environmental conditions: indoor temperature (20 ± 10) ° C, relative humidity <85%

Dimensions: (320 × 300 × 300) mm (length × width × height)

Weight: 17kg

Power source: 220V 50Hz

Sample sampler: (customer optional)

Instrument introduction

The stiffness sampler is a special sampling device for stiffness and crease detection. It can be used to cut two samples of 70×38 and 38×36. It is used for sampling the crease stiffness tester and computer stiffness tester. The sampler is an ideal auxiliary test equipment for industries and departments such as papermaking, packaging, scientific research and quality inspection.

## Implementation standards

GB/T 1671 "Plastics and Cardboard Physical Property Tests - General Technical Conditions for Special Punching Knife Apparatus"

## Sampler technical parameters

Sampling size	70 × (38 ± 0.2) mm (stiffness sample)
Sampling size	(38 ± 0.3) × 36 mm (crease stiffness test)
Sampling thickness	≤1mm
Environmental	temperature 20 ~ 40 ° C, relative humidity

conditions	<85%
Dimensions	length × width × height (350 × 100 × 130) mm
Weight	about 7.2 kg

