



- ▶ **Electronic Bending Stiffness Tester TP-E10**
- ▶ **Paper and Cardboard thickness Meter TP-E2 Series**
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- ▶ **Softness Tester TP-H10**

Electronic Bending Stiffness Tester TP-E10

Electronic bending stiffness tester TP-E10 comes with microprocessor controlled system, highly advanced motor, low noise operations determines the bending stiffness/ rigidity of paper, paperboard, and plastic films. Stiffness tester is equipped with pneumatic clamps to hold the sample properly and eliminate the errors. It can determine the bending force (mN), bending stiffness torque (mNm) values of paper and cardboard, plastic films.

Features

- Highly advanced motor with low noise operations
- Advanced data acquisition & data processing software
- LCD touch screen display
- Printer connection to print test report
- User friendly operations

Application

Electronic bending stiffness tester is used to test the bending stiffness of paper and cardboard, plastic films.

Specifications

Model no.	TP- E10
Testing speed	200° ± 20° / min
Test range	1 to 10000 mN
Indication error	± 1 %
Testing length	5, 10, 15, 20, 25, 50 mm
Sample size	Width 38 ± 0.2 mm, length 70 mm
Bend angle	1 to 90°
Dimension	200×230×350 mm
Weight	15 kg
Power supply	AC220 V ± 10 %, 50 Hz

Paper and cardboard thickness meter TP-E2 series

Paper and cardboard thickness meter TP-E2 series measures thickness of paper, corrugated papers using contact measurement method. The Analogue(pointer type) type gauge display is mounted at top with a false weight so as to develop a uniform, reproducible constant pressure on the anvil through the foot. It finds applications in paper, printing, and packaging industry.

Features

- Portable, compact design
- Measuring range 0 to 4 mm for normal paper and 0 to 20 mm for corrugated paper
- Incorporated with contact measurement method
- Analogue gauge display
- Manual operations
- Easy to use

Application

Used to measure thickness of paper, corrugated paper, cardboard & other sheets widely used in paper testing, printing, packaging industry.

Specifications

Model no.	TP-E20	TP-E21
Measuring range	0 to 4 mm	0 to 20 mm
Accuracy	0.01 or 0.001 mm	0.01 mm
Gauge	Analogue gauge display	
Contact pressure (to create false weight)	100 ± 10 kPa	20 ± 0.5 kPa
Contact diameter	16.0 ± 0.5 mm	35.7 ± 0.5 mm
Error of depth parallelism	0.005 mm or 1 %	0.03 mm
Indication error	± 0.0025 mm or ± 0.5 %	
Indication variability	≤ 0.0025 mm or ≤ 0.5 %	
Dimension	233×160×120 mm	
Net weight	5.5 kg	

Ink rubber tester TP-F10

Ink rubber tester TP-F10 with benchtop design is used to measure printing ink layers decolorization, rub resistance on low or high printable surface. This tester effectively analyzes the problems of ink decolorization, poor abrasion resistance, photosensitive coating. It helps in identifying the quality of ink and printing method to be used in industry.

Features

- Determines rub resistance bonding of ink
- Advanced microprocessor controlled system
- Quiet rubbing process
- Rub pressure 20 ± 0.2 N
- Compact & sleek design
- User friendly operations

Application

Ink rubber tester is used to test rub resistance bonding of ink on printing materials like labels, papers, designs of folded cartons, corrugated boxes etc.

Specifications

Model no.	TP-F10
Sample size (L*B)	230×50 mm (can join short samples together)
Rub pressure	20 ± 0.2 N
Friction speed	43 times/ min
Friction area (L*B)	155×50 mm
No. of friction	0 to 999, auto shutdown
Dimension	275×302×297 mm
Weight	25 kg
Power supply	AC220 V ± 10 % , 50 Hz

Standard strip cutter TP-G10

Standard strip cutter TP-G10 with sleek and advanced design is used to cut the sheet of cardboard or paper into fine strips. It's a common standard cutter which can cut the sample with 15 mm width. With user-friendly operation, it finds applications in paper & printing industry.

Features

- Advanced and sleek design
- Sample width 15 mm
- Sample maximum length 300 mm
- Easy to use

Application

Strip cutter is used in paper, packaging, inspection department, for paper crafts making industry.

Specifications

Model no.	TP-G10
Sample width	15 mm
Sample maximum length	300 mm
parallelism	≤ 0.1 mm
Dimension	240×520×70 mm
Net Weight	4 kg

Softness Tester TP- H10

Softness tester TP-H10 is adopted with microprocessor controlled technology and liquid crystal display to view and observe test parameters and result values. It can calculate and print test data. Its compact and sleek design, easy operations makes it user friendly. It is used to measure softness of paper, tissue paper, sheets, fabric etc.

Features

- Microprocessor controlled technology
- LCD display
- Measurement range: 10 to 1000 mN
- Pressing depth of the measuring head: 8 ± 0.5 mm
- User-friendly operations

Application

Softness tester can measure softness of materials such as toilet paper of all grades, tobacco sheet, and fiber fabric and so on.

Specifications

Model no.	TP-H10
Measurement range	10 to 1000 mN
Division value	1 mN
Accuracy	$\pm 1\%$
Indicating error	≤ 0.5
Pressing depth of the measuring head	8 ± 0.5 mm
Parallelism error between two brims of the specimen stages	≤ 0.05 mm
Slit width of the specimen stage	5 mm, 6.35 mm, 10 mm, 20 mm
Dimension	
Weight	33 kg
Power supply	AC220 V \pm 22V, 50 Hz