

## GBH-2 Electronic Tensile Tester



### Application

To test the tensile strength, peeling strength, heat sealing strength, tearing strength, piercing strength, compression strength, bending strength, and cutting strength of plastic film, composite film, tape, soft packaging material, rubber sheets, paper, non-woven fabrics and other packaging materials, widely used in industries of plastic films, food, pharmaceuticals, inspection agency, research institute, college and so on.

### Standards

GB/T8946, GB 8808, GB 13022, GB/T1040, GB4850, GB/T 7753, GB/T 7754, GB/T 453, GB/T17200, GB/T16578.1, QB/T1130, GB/T 2791, GB/T 2790, GB/T 2792, GB/T 7122, GBT 10004, GB/T 17590, JJG 139, GB/T 6344, GB 10808, YBB00112003, YBB00102003, YBB00132002, YBB00202004, ASTM D828, ASTM E4, ASTM D882, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, ISO 37, JIS P8113, QB/T 2358

## Features

- ◆ With flexible interface and control mode, it can be used for multiple tests such as tensile test, peel test, seal test, tear test, puncture test, compression test, bending test, shear test, etc. Speed, thickness, clamping distance and other parameters can be set.
- ◆ The measurement accuracy is high, the test measurement accuracy can reach 0.5 grade.
- ◆ Computer controlled; online display of test result, auto data storage and analysis, multiple curves record, zoom in/out, computer print.
- ◆ Fully digital control system with imported AC servo system and motor, control displacement with zero drift.
- ◆ Using high precision ball screw loading; loading smoothly; long service life of testing machine, long-term stability and energy saving.
- ◆ Load/deformation measurement: with multiple sub-channels, multiple sensor extension measurements are available.
- ◆ Wide speed range, suitable for high and low speed test.
- ◆ Open data structures, both result parameters and procedure data are allowed to use randomly, which is very convenient for users. Self-editing report function, data can be easily imported into Excel table, convenient for data-processing.
- ◆ The control measurement unit can be either built-in (simple appearance, space saving) or external (easy to upgrade, maintain and operate independently from the microcomputer);
- ◆ With perfect limit protection, overload protection, emergency stop and other safety protection functions. It can make the test run safely and reliably.
- ◆ High sampling speed (100 times/s), make test results more accurate.

- ◆ Core part is imported, with high precision and durable.
- ◆ Double table standing design, easy and comfortable.
- ◆ Various clips optional for different test purposes.

### Specifications

Item	Technical parameters
<b>Test force range</b>	0~500N (0~1500N optional ), 1400% elongation
<b>Test accuracy</b>	Within $\pm 0.5\%$ of the displayed value (grade 0.5)
<b>Test speed</b>	0-500mm/min (infinitely variable speeds)
<b>Displacement</b>	Within $\pm 0.5\%$ of the displayed value
<b>Test width range</b>	30mm (50mm can be customized)
<b>Travel distance range</b>	750mm
<b>Instrument size</b>	460x525x1430mm
<b>Power</b>	1000W
<b>Power supply</b>	AC 220V 50Hz
<b>Weight</b>	86kg

### Configuration

#### A、 Spare parts

NO.	Name	Remark	Quantity
1	Power cable	3*0.75 10A 1.8M	1 PC
2	Communication cable	RS232 nine-pin data cable	1 PC

3	Tensile clip	30mm	1 PC
4	Piercing clip		1 PC
5	Software flash disk	4G	1 PC
6	Buckboard		1 Set
7	Allen wrench		1 Set
8	Right-angle tear blade		1 Set
9	Wooden box		1 PC
10	Cross screwdriver	6-10mm	1 PC

### B、Optional parts

NO.	Name	Unit	Quantity	Remark
1	Computer (win7 32bit)	set	1	Optional
2	Pneumatic clip	set	1	Optional
3	Metrology Certificates			Optional

### C、User provide

1	Power supply	500w	220V	10A	three holes socket	ground wire
2	1 set of computer (with nine-pin COM port) , XP system/Windows7					

Note: GBPI is always committed to product innovation and improved performance, so accordingly product technical specifications are subject to change without notice. GBPI reserves the right to amend and the final power of interpretation.



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