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FANYUAN INSTRUMENT (HF) CO., LTD.  
DOWELL SCIENCE AND TECHNOLOGY (HK) CO., LTD.

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## YG029B Automatic single yarn strength tester



MODEL NO.



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## YG029B-2000/YG029B-5000

### Application:

YG029B Automatically single yarn strength tester is suitable for determining the breaking load and extension of single yarns. Automatically operated with pneumatic/magnetic clamp. It is the test generation of products according to the demand of the standard ISO2063-93. It has a higher stability, accuracy, reliability, enhanced intelligence, integration and so on.

### Related Standards:

STANDARDS

ISO 2062

ASTM D2256

Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

### Features

- full automatic testing procedure without jamming;
- no need to preheat, can test the sample when the boot;
- Widely testing range, it can test cotton yarn, wool yarn, yarn of ramie, chemical fiber yarn, spandex Core-spun yarn, slashing, raw yarn and so on;
- It adopts menu operation which is clear and easy to learn and use;
- Test data below the speed of 5000mm/min can compare with USTER STATISTICAL COMMUNIQUE;
- 20 sets of data can be stored so it can be review and print easily;
- 320×240 Light blue LCD display. It can display the curve of Strength elongation (F-E), straight-line graph of strength, straight-line graph of elongation and scatterplots;
- It is with the function of eliminate the abnormal value to make sure the accuracy and reliability of testing data;
- Power-down protection;
- Self-check function and display the fault location;



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**Key Specification:**

- measurement range: 0~3000cN
- Resolution of the force 0.1cN
- Max error  $\pm 1\%$  indicating value
- Speed 15~2000mm(YG029B-2000) adjustable  
15~5000mm(YG029B-5000) adjustable
- Error of speed less than  $\pm 2\%$
- Spacing of the upper and lower gripper  $500 \pm 1$ mm
- Max elongation 250mm
- Error of elongation less than 0.5mm
- Pre-tension 0~100cN
- Number of the yarn once load 1~20 tube
- Power 220v 50Hz
- Dimension  $700 \times 550 \times 900$ mm(L  $\times$  W  $\times$  H)
- Weight 100kg

**Standard configuration:**

No.	Item	Quantity
1	Main machine	1 set
2	Yarn rack with 20 working positions	1 set
3	Control box	1 set
4	Stylus printer for YG029B-5000 Thermal printer within control box for YG029B-2000	1 set
5	Working table	2 set

**Optional accessories:**

No.	Item	Quantity
1		