

## WY-019 Surgical Blade Sharpness Tester

WY-019 Surgical Blade Sharpness Tester is a special testing equipment for testing the sharpness of surgical blade. It is designed and manufactured according to the relevant provisions of yy0174-2005 standard. It can display the force value and the maximum cutting force required by the surgical blade to cut the standard suture in real time.



### Professional technology

- The instrument is composed of PLC, PLC, force measuring mechanism, transmission mechanism, printer, etc.
- The tester adopts 7-inch professional color LCD screen with Chinese and English menu display.
- Real time display of the force value and maximum cutting force required for cutting standard suture with surgical blade.
- It has the advantages of convenient operation, clear display, high precision and good reliability.

### Test principle

Fix the sample on the fixture, fix one end of the suture on a wire winding clamp, add a 100g weight to the other end of the suture to make the suture horizontal and fixed on the other clamp; the sample moves vertically downward at the speed of no more than 10mm / s to cut the middle part of the suture line; when the suture is cut, the display result of the instrument is the force value of the blade cutting the suture.

### Test standard

The instrument meets YY0174-2005 standard.

### Test application

<b>Basic application</b>	It is suitable for the performance measurement of various surgical blades.
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### Technical index

Item	Parameter
Test range	0~15N
Resolution ratio	0.001N
Indication error	≤0.01N
Test speed	0~600mm/min
Size	400 mm (L) × 270 mm (W) × 360 mm(H)
Net weight	11kg

### Product configuration

<b>Standard configuration</b>	Host, fixture, printing paper, manual
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