

WY-001 Medical Needle puncture force tester

WY-001 Medical Needle puncture force tester is suitable for testing the puncture performance of injection needle. It is one of the important means to identify medical injection needle.

Professional technology

- The tester adopts 7-inch professional color LCD screen.
- Chinese and English menu display: nominal specification, pipe wall, test, test times, up, down, time, calibration.
- It displays penetration force and five peak forces in real time. Also can display maximum penetration force. And the built-in printer can print the test report.



Test principle

The specimen is clamped between the two collets of the fixture, and the two collets move relatively. The needle tip puncture force tester collects the force and displacement changes in the process of the experiment through the force value sensor on the chuck and the displacement sensor built in the machine, and calculates various force function indexes of the sample.

Test standard

The instrument meets many national and international standards : ISO 7864-2016, GB15811-2016.

Test application

Basic application	It is suitable for testing the puncture force of various injection needles.
Extended application	Puncture force of rubber plug

Technical index

Item	Parameter
Tube wall	Normal wall, thin wall and ultra thin wall are optional
Nominal specification	0.18~3.4mm
Test range	0~10N
Test accuracy	±0.5%FS (Full scale)
Test speed	(100±5) mm/min
Simulated skin	Polyurethane membrane material
Print type	After each test finished, all test data including the mean value and the deviation value of penetration force can be printed.
Size	400 mm (L) × 270 mm (W) × 360 mm(H)
Net weight	11kg

Product configuration

Standard configuration	Host, fixture, weight, printing paper, instruction manual
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