



BPS INSTRUMENT
TENSILE TESTING MACHINE

Impact Testing Machine

JB-W300B Impact Testing Machine



• Application

ZZXB-5.5 Type digital cantilever impact testing machine meets the requirements of national and international standards and is suitable for impact toughness testing of non-metallic materials such as hard plastics, fiber reinforced composite materials, nylon, glass fiber reinforced plastics, ceramics, cast stones, asbestos boards, electrical insulation materials. Mechanical processing sample and injection molded sample are also suitable for notched and unnotched samples. Is the chemical industry, scientific research units, colleges and universities, quality testing departments ideal testing equipment.

ZZXB-5.5 type digital cantilever beam impact testing machine is improved on the basis of pointer dial simply supported beam impact testing machine. It uses high-precision rotary encoder to collect pendulum swing and speed information. Calculate the impact strength the sample.

Instrument is intelligently controlled and stored by the embedded system, and the test process and results are and displayed by the LCD display and matrix keyboard, thus replacing the original dial pointer display method. Compared with the original dial pointer type. the angular resolution is high. (Up to 0.075°), the display result is accurate and unambiguous, eliminating error caused by manual reading, intelligent control, can automatically calculate results, automatically eliminate wind resistance errors, save multiple impact test results, etc.

ZZXB-5.5 cantilever beam impact testing machine follows the standards of "GB/T 1843-2008 Plastic Cantilever Impact Strength Measurement", "JBT 8761-1998 Plastic Cantilever Impact Testing Machine" and other standards, and each instrument is strictly in accordance with "GB / T21189-2007 Inspection of plastic simply-supported beams, cantilever beams and pendulum impact test machines for tensile impact tests. Inspections are performed in a manner prescribed by the standard to ensure product accuracy and service life.

ZZXB-5.5 type digital cantilever impact tester is suitable for impact toughness testing of various non-metallic materials. It can use mechanically processed and injection molded samples and is suitable for notched and unnotched samples.



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• Performance characteristics:

- The machine is controlled by a sing-chip microcomputer and displayed in liquid chinese. The operation is flexible and convenient the control precision is high.
- Automatically correct the energy loss caused by friction and wind resistance, without manual calculation.
- Directly display the absorbed energy of the modified sample, improving the accuracy and efficiency of the test.
- By setting the sample size, the impact strength of the sample is automatically calculated after each impact test is completed.
- After each group of tests is completed, the average impact energy and average impact strength of the samples of this group are automatically calculated and displayed.
- After each test is completed, the test results can be saved with a single a single key for future reference.
- With a printer-equipped model, the test results can be printed out for easy archiving.

ZZXB-5.5 Parameter			
Impact speed (m/s)	3.5	Pendulum energy	1/2.75/5.5J/11J/22J
Stroke Center Distance (mm)	322	Pendulum angle	160 degree
Energy display resolution	0.001J	Blade fillet radius	R = 0.8±0.2mm
Distance between impact blade and jaw	22±0.2mm	Energy display error	<0.5%FS



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