

TY-4020A/4021A Pendulum Impact Tester



TY-4020A CHARPY



TY-4021A IZOD

Equipment usage:

Mainly used for making plastics and hard rubber, glass fiber, glass fiber, glass reinforced plastics, electrical insulation materials, floor tile of pottery and porcelain, cast stone, friction material of simply supported beam and cantilever beam impact test.

Applicable standard:

GB/T 1043-1043 "hard plastic beam impact test method"

GB/T 1843-1843 "plastic cantilever beam impact test method"

JB/T8761-1998 "plastic cantilever beam impact test"

JB/T 8762-8762 "plastic beam impact testing machine"

ISO 179:1993<Plastics-Determination of Charpy impact properties>

ISO 180:2000 <Plastics-Determination of Izod impact strength>

GB/T 18743-18743 "fluid with thermoplastic pipe transmission beam impact test method" (that is applicable to pipe impact)

Features:

1. Choose imported high precision ball bearing, effective pendulum energy losses to a minimum
2. With high precision photoelectric encoder, to avoid the pointer of the friction energy loss, caused by the equipment operation is simple, easy to use
3. Using carbon fiber shock, reduce the error brought by itself quality factors
4. Can configure multiple pendulum and corresponding support, and easy to change
5. Can increase safety nets, improve the security performance of the tester
6. Equipped with a special liquid crystal display can display the impact absorbing energy and intuitive accurate without having to read data from the dial, without reading error, high accuracy, high efficiency



7. The built-in energy loss can be corrected, making the test results more accurate
8. The printer can print out the test report
9. Customized software + computer version is available

Parameters

| Model | TY-4020A | | TY-4021A | |
|--|---------------------|---------------------|---|----------|
| Name | Charpy | | Izod | |
| Impact energy | 1J, 2J, 4J, 5J | 7.5J, 15J, 25J, 50J | 1J, 2.75J, 5.5J | 11J, 22J |
| Pendulum angle | 150 ° | | | |
| Impact speed | 2.9m/s | 3.8m/s | 3.5m/s | |
| Distance between center of pendulum and sample | 221mm | 380mm | Distance between pendulum center and impact blade:335mm | |
| Distance between impact blade and jaw | 40mm,60mm,70mm,95mm | | Distance between impact blade and jaw | |
| Impact blade angle | 30° | | Blade radius: R=0.8mm | |
| Impact blade radius | R=2mm | | | |
| Size(L*H*W) | 700×800×300mm | | 800×550×850mm | |
| Weight | 90Kg | 150Kg | 90Kg | 110 Kg |
| Power supply | 220V 200W | | 220V 200W | |