

High Performance Charpy / Izod Impact Tester **Q-Impact 50**

Charpy/ Izod Impact Tester ISO 179, ISO 180, ASTM D256

The Q-Impact 50 High Performance Charpy/ Izod Impact Tester is a high performance impact tester designed to precisely determine the absorbed impact energy and resistance to breakage of plastic specimens. The tester conforms to both ASTM and ISO standards. The innovative design allows this tester to be used for both Izod and Charpy test. The max capacity of this tester is 22J (Izod) and 50J (Charpy)

The Q-Impact 50 tester features the followings

- High mass, traditional pendulum design concentrates energy at the impact point with minimal energy loss due to vibration.
- Touch Screen control for quick and easy input of test parameters, interactive software allows for operator input regarding complete, partial hinge broken and non broken samples.
- Tester connects to PC through RS232 interface for direct data acquisition. Test data can be saved or exported using the included software package. Data can also be saved directly to a USB memory for remote analysis.
- Results are automatically corrected for energy loss due to air and mechanical friction.



Technical Specifications	
Impact speed	3.5m/s, 3.8m/s (Izod, Charpy)
Energy levels (max capacity)	5.5J,11J,22J (Izod Testing) 0.5J,7.5J,15J,25J,50J(Charpy Testing)
Span of Charpy	60mm,62mm
Izod testing	
Radius of striking edge	R=0.8mm±0.2mm
Location of striking edge above top surface of support	22mm±0.05mm;
Charpy testing	
Radius of striking edge	R=2mm±0.5mm
Angle of striking edge	30°±1°
Measurement resolution	0.01J
Dimension	50x350x860mm (30x14x34in.)
Net weight	100kg (220lb)