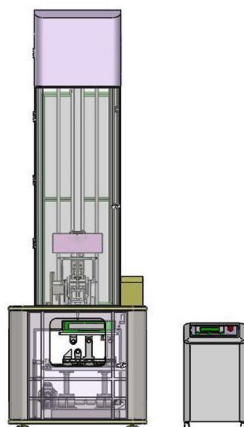


HST-DWT-300IG Instrumented Drop Weight Impact Testing Machine



Picture Just for reference

Application

HST DWI-300G instrumented drop hammer impact tester is mainly used to test the puncture performance of anti-stab clothing. It uses impact force sensor, test system, and high-speed data acquisition card to measure the load and deformation transient value of the impacted sample fracture process through oscilloscope impact sensor, that is, impact absorption work, force-displacement-energy curve of the impact process and characteristic points on the curve: maximum force F_m , total impact energy W_t and corresponding displacement and other parameters.

Standards

GB/T2611-2022 "General Technical Requirements for Testing Machines"

Specifications

Item	Specification
Maximum impact energy	300J
Impact speed	1.98~5.42m/s
Impact height	0.2~1.5m
Range of hammer mass	10kg
Mass error of hammer and weight	$\pm 1\%$

Range of hammer	1~3m/min(Continuously adjustable)
Positioning accuracy of hammer head	1mm
Maximum load of impact force sensor	20kN
A/D sampling resolution	16bits
Maximum sampling frequency	2MHz
Frequency response	500kHz
Dynamic error of experiment	<2%
Dimensions of testing machine	1120mm*900mm*3600mm
Net weight of testing machine	Approx.1500kg
Power supply	Mainframe:AC 220V±10%,50Hz,2kW High and low temperature box:AC 380V±10%,50Hz,6.5kW

HST GROUP Co., LTD.

NO. 4915, West Jingshi Road, Jinan 250012, PR CHINA.

Tel: +86-159 1008 1986

www.hssdgroup.com - e-mail: admin@hssdtest.com