function

The **SCITEQ** Charpy pendulum impact tester is used to conduct resilience tests on rigid plastic materials in order to determine their impact fragility characteristics under standard stress conditions. The test method conforms to ISO 179 - Part 1 (noninstrumented impact test).

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highlights



version 01/2019

easy to operate with its simple and to-the-pointIfmenu structure.The test specimen can be cutby means of a copy milling machine.a

The test specimen, supported near its ends as a horizontal beam, is impacted by a single blow of a striker, with the line of impact midway between the supports, and bent at a high, nominally constant, velocity.

The SCITEQ Charpy pendulum impact tester is

features



We wish to give our partners the tools to produce to the highest standard, while helping them to produce as cost effectively as possible with Q.C. tools throughout the facto-

construction

The **SCITEQ Charpy** pendulum impact tester has a frame made from steel and consists of a rotation shaft and a pendulum stop unit. In addition there is an anvil a level meter, a control panel, three feet and an eyebolt.

Further, a specimen support is supplied along with a centering device is supplied for notched Charpy specimens.

We offer two versions:

SCJ5 with a capacity of 0,50—5 Joule.

SCJ50 with a capacity of 0,50-50 Joule.

Both models have LCD display the absorbed energy in joules after test specimen impact will be shown. Recorded test results can be





associated | equipment |



	SCJ5	SCJ50
impact speed	2,9 m/s	3,8 m/s
impact energy	0,5J, 1J, 2J, 4J, 5J	7,5J, 15J,
starting angle	115°	150°
measurement accuracy	±0.1%	±0.1%
resolution	±0,05%	±0,05%
Torque of striker	M0,5=0,267595 Nm	M7,5=4,0
	M1=0,53590 Nm	M15=8,03
	M2=1,07180 Nm	M25= 13,
	M4=2,14359 Nm	M50=26,7
Distance between shaft and center of specimen	M5=2,67949 230 mm	395 mm
Corner radius of striking edge	(2.0±0.5) mm	(2.0±0.5)
Included angle of striking edge	(30±1)°	(30±1)°
Corner radius of vice	(1.0±0.1) mm	(1.0±0.1)
Support span	62 mm	62 mm
Energy loss	0.5J:-4%, 1.0J:-2%,	0,5%
display	2J:-1%, 4.0J:-0,5% LCD	LCD
electrical supply	220-240V AC, 50-60Hz	220-240V
main dimensions (L x W x H)	420mm×250mm×650mm	420mm×2









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associated | equipment / essential equipment

copy milling machine