



Vertical Rebound Tester – Digital Solution

Standards

ASTM D2632, ASTM D3574 ISO 8307



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE



Description

[Ball Rebound Tester](#) is a device designed to test resilience of materials such as foam, polyurethane and other similar materials. The unit comes certified in accordance with ASTM D2632 and ASTM D3574 industry standards. The test consists of a 16mm magnetic ball dropping freely onto a sample from a specified height of 500mm. The electronic console unit that comes standard with this instrument will show the measured value and calculate the proportion of the average value in %. After the test completion, a sensor placed close to the holder ensures that the ball is returns to the home position.

Operational Process of the Machine

The resiliometer is based on the vertical free-fall hammer method to test the elasticity of rubber materials. First adjust the tester level the elevation degree of drop hammer. Place the test films 14mm from the edge of the specimen. The first three tests are not used for record. Use only the average reading of the fourth, fifth and sixth tests.

Features:

- Plug-n-Play System
- Extremely Easy to Learn to Operate
- Short Measuring Cycle
- USB Port
- Test cycle, measured values, median value in %, status and operating instructions output to 4-line LCD
- No Calibration Requirements



Technical Specifications

Technical Specifications	
Drop distance of steel ball	ISO 8307 ASTM D357: 500mm GB/T6670: 460+0.5%mm
Diameter of steel ball	Φ16-0.1 mm
Steel ball quality	16.7g
Accuracy of rebound rate of falling ball	<1.5%
Sample size	3.94 x 3.94 x 19.68-Inches 10 x 10 x 50 cm
Weight	26 lbs / 12kg
Power Supply	1φ, AC220V/50HZ

Lead Time

2-4 Weeks on PO and Credit Approval Process

* Request a [formal quotation](#) or send an e-mail to sales@nextgentest.com for the most up-to-date pricing and applicable discounts and incentives.



Vertical Rebound Tester – Analogue Solution

Standards:
ASTM D2632



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Description

GenRebound tests the resilience of rubber compounds. The machine must be adjusted in a horizontal position and the plunger raised at a specific height. The plunger is then released onto the specimen for a given number of impacts. The measurements are based on the 4th, 5th, and 6th impacts. The average of the three (3) measurements is then calculated for the test result. The machine is highly useful in production of compounds designed to absorb vibration or shock according to the ASTM standards.

Technical Specifications

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Drop Height	40 cm
Hammer Weight	28 g
Dimensions (D X H X W)	8.25 x 5.90 x 20.70-inches 21 x 15 x 52.5 cm
Weight	17.5lbs / 8 kg

Lead Time

1-4 Weeks Depending on when the PO is placed

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