

HONGCE

**SPRING OPERATED IMPACT
HAMMERS
SH-1**

USER MANUAL

Building D2, Jinhe Industrial Park, Dashi Street, Panyu District, Guangzhou, Guangdong, China

Tel: +86-020-31143909-801 | Fax: +86-020-31143909-802

Email: sales@iectester.com | sales@iectestingequipment.com

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I Foreword

Thanks for purchasing and using our products! In order to ensure safety and proper usage of this product, please read this entire user manual before operating the product.

The user manual contains unpacking checking, the main technical parameters, installation and commissioning method and the instrument parameter settings and etc. We have worked hard to ensure the completeness and accuracy of the contents of this document. If you have any questions or different understandings during the usage, or find any shortcomings and mistakes, welcomes to contact with our company or our authorized agents directly.

Please keep this user manual in order to ensure the normal use of the instrument.

II Products Introduction

The Spring Hammer (Impact hammer) is made according to the standards of IEC60068-2-63 and IEC60068-2-75. This spring hammer is available to test the impact resistance of the electronic and electrical products, as an indispensable test device for the safety performance detection of the electrical products.

Spring shock device is suitable for testing the mechanical strength of products, such as household and similar electrical appliances, electronic products, lamps, electrical accessories shell, operating arm, handle, knob, indicating lamp, signal lamp and so on, to ensure that the tested products can withstand possible reckless operations and other accidents, operating normally, safely and reliably.

Picture for reference:



III Technical Parameters

Impact energy J	1.0 (Single energy)
Allowable error	±10%
The weight of Impact element	250g±5g
The power	<10N
The whole weight	1250g±10g

IV Structure And Working Principle

Structure

The device is mainly composed of a body, the impact components and the elastic load release mechanism. The main body consists of release mechanism, impact components and all of the components installed in the main body. The impact component includes a hammer, hammer lever and an operating handle.

Working principle

Spring hammer generates standard energy mainly by the standard quality of various components and the movement of hammer spring. When pulling the operating handle, the release jaws fall on the release point of the impact component, then the hammer spring is compressed. When the compression amount is different, the spring will release different energy, which has already been calibrated in the energy calibrating device in the factory.

Method of application

- A. According to the related standards, please fix (or place) the sample, then choose the corresponding energy needed through rotating the plate.
- B. Choose the impact test point. And pull the operating handle of

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- the hammer, until the release jaws engage with and the hammer lever teeth (you will hear at this time" the click " sound). Then the device is in a ready state.
- C. Make the device be vertically opposite to the impact test points on the surface of the sample and touch it, then push the device, making the impact component release, to finally strike the sample.

V Notice

- A. After calibrating the device, don't disassemble it or adjust the compression amount of the spring.
- B. If the compression amount of the springs is adjusted, the device must be checked by the measurement department before being used. Otherwise, the accuracy of testing results will be directly influenced.
- C. In order to prevent changes of impact energy caused by misadjustment, the products have been sealed in the factory. If you have any question, please contact our factory, who will provide you three guarantees and post-technical services.
- D. Measures should be taken to prevent the rust of the hammer spring (drying moistureproof processing).
- E. Requirements for environmental conditions: temperature 5~35°C, humidity 45 ~ 75%.

VI Contact To Manufacturer

Manufacturer: Guangzhou HongCe Equipment Co., Ltd
Address: Building D2, Jinhe Industrial Park, Dashi Street,
Panyu District, Guangzhou, Guangdong, China
Postal code: 511430
Tel: 020-31143909-801
Fax: 020-31143909-802
Email: sales@iectester.com / sales@iectestingequipment.com
Website: www.iectester.com / www.iectestingequipment.com