

HONGCE

**PLUG INSERT TORQUE BALANCE
HC9908**



USER MANUAL

H & H

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

CONTENTS

I Foreword	2
II Product Introduction	3
III Technical Parameters	3
IV Operation Steps	4
V Notice.....	6
VI Contact To Manufacturer	6

A large, semi-transparent watermark logo is centered on the page. It features a yellow arc at the top, a cyan stylized 'H' shape in the middle, and a cyan arc at the bottom. Below the watermark, the text 'H & H' is printed in a large, bold, cyan font.

H & H

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.

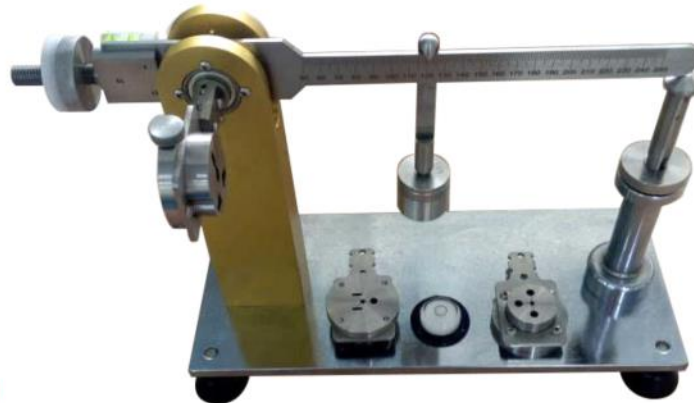
The logo for H&H, featuring two large, bold, cyan-colored 'H' characters flanking a central '&' symbol. The characters are stylized with a slight shadow effect.

II Product Introduction

This equipment is according to the requirement standard of IEC60065 Figure 11 and IEC60950.1 clause 4.3.6 to manufacture. A device provided with pins intended to be introduced into fixed socket-outlets shall not impose undue strain on these socket-outlets.

This device has the advantages of good sensitivity, easy adjustment, simple operation and beautiful appearance. Equipped with a variety of socket fixture, strong practicality.

Picture for reference:

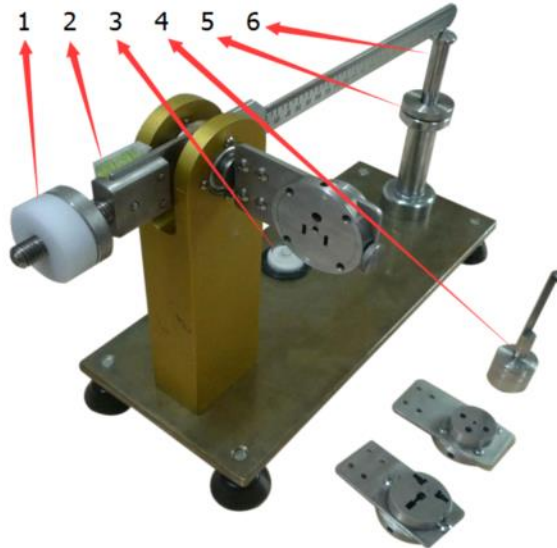


III Technical Parameters

1. The distance from contact surface to axial distance: 8mm.
2. Arm of force: 0-200mm.
3. Weight: 2.5N /set, can achieve 0.4Nm torque.

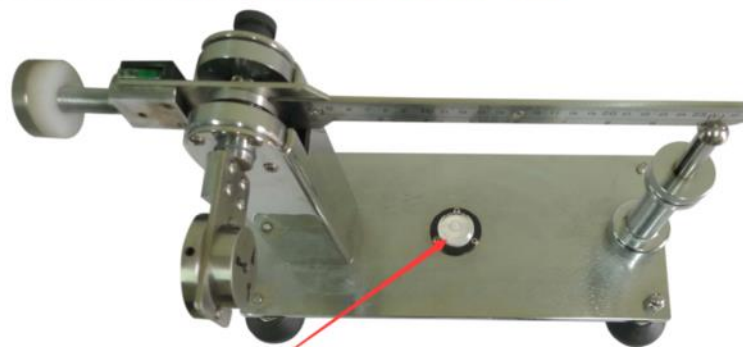
IV Operation Steps

Structure:



- 1 – balance weight
- 2 – measuring bubble
- 3 – level bubble
- 4 – measuring weight
- 5 – height regulation screw
- 6 – support rod

- A. Put the device on a level table, and adjust the device to horizontal. When the device is horizontal, you can see the air bubble of **3 - level bubble** in the center position.

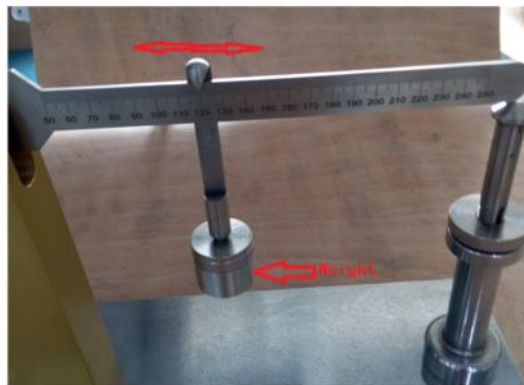


Air bubble of 3 - level bubble in the center position

- B. Hang the **4 - measuring weight** on balance arm, and adjust the **5 – height regulation screw**, make the balance arm in horizontal. When balance arm in horizontal, air bubble of **2 – level bubble** in center position.
- C. Remove the **4 - measuring weight**, adjust the **1 – balance weight** position, keep the balance arm in horizontal position. And make the balance arm keep a distance about 1mm to the **6 - support rod**.
- D. Install the test sample on device, tighten the screw. Now the balance arm up.



- E. Hang the **4 - measuring weight** on balance arm. Adjust the position of **4 - measuring weight**, record the position where make the balance arm level, air bubble of **2 – measuring bubble** in center position, balance arm keep 1mm distance to **6 - support rod**. Say the position located at 10.3cm.
- F. Torque measurement
- (1) The appropriate weight is hung on the lower scale.
 - (2) Move the weight slowly until the balance arm is in a horizontal state.



G. Torque of the sample applied to the socket: Scale value X weight
For example: Torque: $0.12\text{m} \times 2.5\text{N} = 0.3\text{Nm}$



V Notice

1. This device needs to be placed on a fixed horizontal table.
2. Balance arm rotation need to periodic lubrication

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.ictester.com / www.ictestingequipment.com