

# TECHINCAL DETAILS

## OF

### Package Hardness Tester

#### 1. INTRODUCTION

Paramount **Package Hardness Tester** is used to evaluate the hardness of yarn packages, cones, top rollers of Draw Frame, Roving Frame & Ring Frame etc. It is very useful in textile mills, College & Universities.

#### 2. EQUIPMENT

Paramount **Package Hardness Tester** is completely made of special grade aluminum casting for lightweight & resilience. The Equipment is fitted with a specially designed calibrated analog dial to show the hardness of material being tested in degree shore. The capacity of the equipment is 0 to 100° shore. A special knurled spring-loaded outer pressure ring is provided to give even pressure on the specimen during checking.

#### 3. SALIENT FEATURES

- Specially designed equipment to determine the hardness of any cylindrical material in Degree Shore. (Like yarn packages)
- Very useful for spinning mills to measure the hardness of rollers used in Ring Frame, Draw Frame, Roving Frame etc.
- Latest design with modern stylish look.
- Handy, easy to operate.
- Special knurled spring-loaded outer pressure ring is provided accurate result.
- Duly packed in a wooden case for safety.
- With calibrated precision dial for direct reading of hardness in Degree Shore.
- Smooth precision-engineered components for exceptional performance.
- Supplied with inspection & calibration certificates



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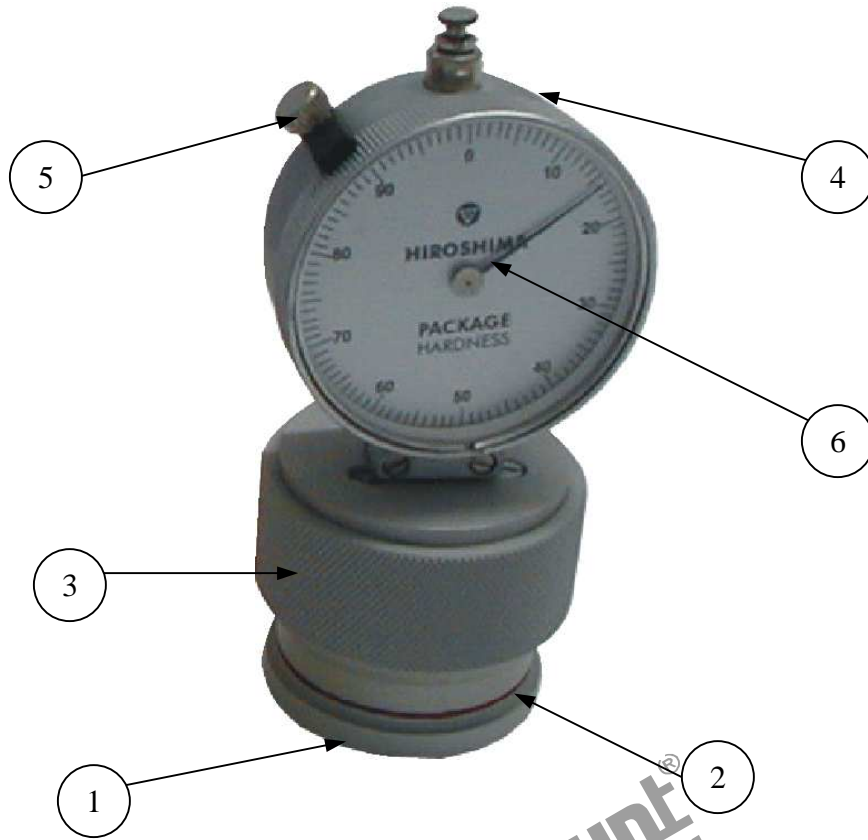


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#### 4. DETAILS OF THE MAIN UNIT OF Package Hardness Tester



1. Anvil
2. Target Line.
3. Pressure Ring.
4. Dial Gauge (Indicator).
5. Dial Adjuster.
6. Pointer.

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**5. DETAILS OF THE ACCESSORIES SUPPLIED WITH Package Hardness Tester**



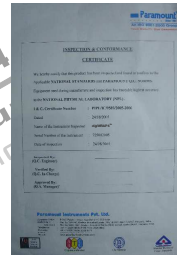
**Wooden Box**



**Package Hardness Tester**



**This User's Manual**



**Calibration & Inspection Certificate**

**Package Hardness Tester** is Supplied Complete with below Accessories:

Main Unit	: 01 No.
Wooden Box	: 01 No.
Detailed User's Manual	: 02 Nos.
Calibration certificate (Traceable to NPL)	: 01 No.
Inspection & Conformance Certificates	: 01 No.

## 6. TECHNICAL DETAILS OF Package Hardness Tester

Cutting Width	: 300 mm
Scale diameter	: 56mm
Pressing force by means of the spring loaded outer ring	: 12.5N
Measuring spring force	: 0.55-0.065 N
Range of reading	: 0-100 Shore A
Working radius	: 55mm
Working face	: 45mm
Indentation body (ball diameter)	: 5mm
Dimension	: 47.5(L)x,55(W)x,117.5(H)mm 1.9(L) x, 2.1(W) x, 4.6(H) inch
Weight	: 415gms (0.913lbs)

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**NOTE :** With our constant endeavour to improve & excel, we reserve the right to alter the specification or modify the appearance without notice.



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