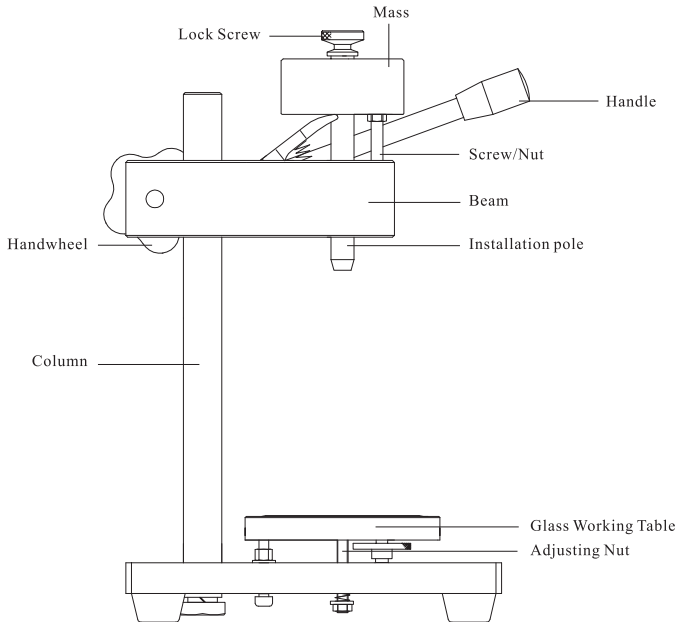


SLD Series Digital Shore Durometer Test stand

User's Manual

1、Instruction

SLD series digital durometer test stand is R&D for applying with LD series shore durometer , and be



(Structure)

2、operation

Fix LD series shore durometer in the fixing holder in the test stand and tighten the screw. Press the operating handle under the work of weight to make the durometer tip touch the glass working plate completely. This time the durometer should show the value of 100 ± 0.6 , otherwise user could adjust the two nuts under the plate to make it within 100 ± 0.6 .

Put the testing material on the working plate . Press the handle , with the function of weight to make the durometer tip touch the teshing material completely . And read the testing value in regular time. The time for thermoplastic rubber is 15 seconcls , the time for vulcanized rubber and other unknown rubber is 3 seconds . If using other testing time , it should be illustrated in testing in testing report.

3. Caution

1. The test stand is only applied for our shore durometer. When installing different mode of durometer, please adjust quality of weight first according to requirements. GB/T531.1-2008 have rule for the adjust of total quality as below:
Shore A and Shore AO model is $1^{0.1}_{0}$ kg
Shore D model is $5^{0.5}_{0}$ kg.
Shore AM model is $0.25^{0.05}_{0}$ kg
Shore C model is $1^{0.1}_{0}$ Kg. (In HG/T2489-2007)
Note: Total quality includes quality of lock screw, designation weight, screw, installation pole, and durometer.
2. Under environment without shock, the max pressing speed of test could not above 3.2mm/s.
3. As the requirements and adjustment of sample in testing, it should be accordant with the related standard.

4. Maintain

Please clean the test stand after using to avoid rust.

5. Reference paper

1. GB/T 531.1-2008 testing handness method of thermoplastic rubber or vulcanized rubber. Part 1: shore testing value (shore hardness);
2. HG/T 2489-2007 testing method for microporous materials of shoes.

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