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ISH-STAC

TEST STANDS FOR SHORE DUROMETERS OPERATIONAL MANUAL

V0

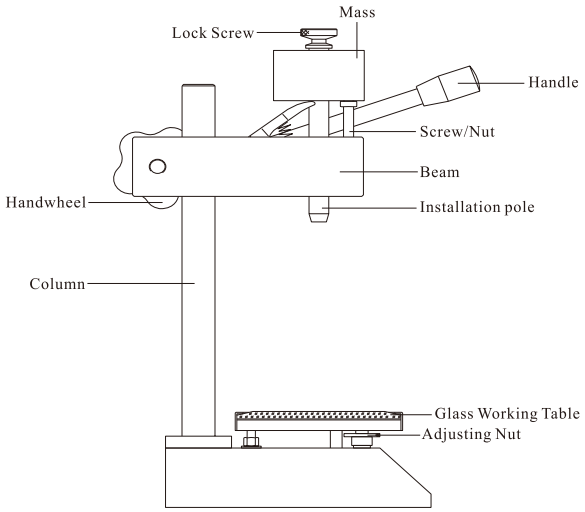
Brief Introduction

ISH-STAC can improve the measurement reading of rubber hardness, through mass vertical force, make presser foot of durometer press to specimen and get stable and exact hardness reading.Different shore durometer type, different mass. This test stand is for Shore A type/D type/AO type/AM type durometer; C type micropore material durometer.

Maintenance

Clean stand after use against rusting.

Structure



Operation

Connect durometer to installation pole steadily and put the block on the glass working table.Press down the handle to make durometer indentor into the hole of the block with mass force.If durometer preeser foot touch the block flat completely, the reading should be ±1 of standard value which is on the front of the block.If the reading is not correct, please adjust the nut under glass working table.

For durometer without block, press the handle to make durometer indentor and presser foot touch glass working table completely and the reading should be 100±1. If the reading is not correct, please adjust the nut under glass working table.

Put the specimen on the glass working table.Press down handle and make durometer indentor and presser foot touch the surface of specimen and get the reading timely.

The reading time is 15 seconds for thermoplasticity rubber and 3 seconds for vulcanized and unknown type rubber. For micropore material, the reading should be 1 second. If you use other testing time, it should be noted in report.

Caution

1.The international standard total weight is below for different type durometer.

A type and AO type: $1^{+0.1}_{0}$kg

D type: $5^{+0.5}_{0}$kg

AM type: $0.25^{+0.05}_{0}$kg

C type: $1^{+0.1}_{0}$Kg

Note: Total weight includes lock screw, mass, screw/nut, installation pole and durometer.

2. Make sure there is no shock during use and the durometer indentor touch specimen by max.speed 3.2mm/s.

3. For specimen requirement and adjustment, process according to specimen standard.