MODEL DD-4 ACCESORIES

TEST BLOCK KITS

This kit contains color-coded rubber test blocks of various durometer hardness values. It is housed in a convenient, rigid custom-fit protective box.

Available in all Durometer Types.

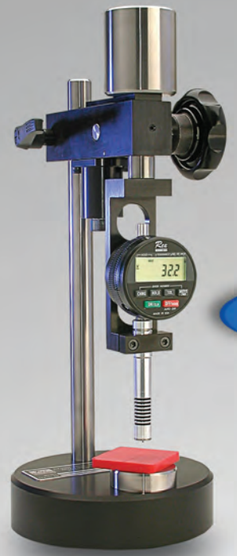
Model TBK-A

OPERATING STANDS

A convenient and accurate way to provide repeated hardness tests. Eliminates human error.

Model OS-1

Used for Types
A, D, B, C, DO, O, OO, OOO, E



Model OS-2H

Used for Types A, B, O, E

Model OS-4H

Used for Types 00, 000

Model OS-3

Used for Type M only

USB Data Output Cable
Model G13-0055

O-Ring Fixture Set also available.

QUICK REFERENCE GUIDE

Rex Gauge company has been specializing in quality durometers for over 60 years. Rex Durometers are known World-Wide for their quality, dependability, and accuracy. Except where noted, all gauges comply with ASTM D-2240. Most gauges are available in A, D, B, C, DO, O, OO, OOO, M, E and R. All are in stock and ready for immediate delivery. Custom designed hardness/softness gauges and operating stands, along with many accessories, are available.

DUROMETER TYPES

TYPE A (ASTM D2240)
Soft rubber, plastics and elastomers, printer's rolls, tires.

TYPE D (ASTM D2240)
Hard rubber and plastics such as thermo plastics, flooring and bowling balls.

TYPE B (ASTM D2240)
Harder elastomers and plastics. Paper and fibrous materials. Use above 93 Duro A.

TYPE C (ASTM D2240)
Medium hards elastomers and plastics. Also useful to avoid surface marks.

TYPE DO (ASTM D2240)
Dense granular material, textile windings.

TYPE O (ASTM D2240)
Very soft elastomers, textile windings, soft granular materials. Use below 20 Duro A.

TYPE OO (ASTM D2240)
Light foams, sponge rubber gels, animal tissue.

TYPE OOO (ASTM D2240)
Ultra soft gels and sponge rubber.

TYPE M (ASTM D2240)
Thin, irregularly shaped rubber such as O-Rings (as thin as .050).

The durometer is the international standard for the hardness measurement of rubber, plastic and other non-metallic materials. Durometers are described in the American Society for Testing and Materials specification ASTM D-2240, which is the recognized specification for the instrument and test procedures.

OPERATING MANUAL
Model DD-4 Digital Durometer

Digital Durometer

Model DD-4

Quick Operating Instructions

ON/OFF

To Turn Indicator On:
- Press **ON/clr**

To Turn Indicator Off:
- Press **OFF/mode**

CLEAR

To Clear Display to Zero:
- Press **ON/clr**

AUTO OFF

To Turn Auto OFF Function On or Off:
- Press **2ND** Appears on the top of display
- Press **OFF/mode**

NOTE! An hourglass will appear on the left side of display when **Auto Off** feature is active.

HOLD

To Activate Hold:
- Press and release **HOLD**

To Turn Hold On/Off:
- Press and release **HOLD**

TOLERANCING

To Set Tolerance Numbers:
- Press and hold **TOL** until **HIGH** is flashing
- Press **2ND**
- Press **TOL**
- Press **CHANGE**
- Press **MOVE** until the +/- sign or **digit** to be set is blinking.

TOLERANCING *(continued)*
- Press **CHANGE** to reverse the +/- sign or increment the blinking digit.
- Repeat MOVE and CHANGE until desired # is entered (press ON/clr to clear).
- Press **Apply** to save

After step is completed, **LOW** will automatically start flashing.
- Repeat above steps to set low tolerance

To Turn Tolerances On/Off:
- Press **TOL**

NOTE! "TOL" will show on display when no tolerances have been set.

TOTAL RESET

To Clear All Settings and Return To Factory Set Defaults:
- Press **2ND** Appears on top of display
- Press **ON/clr**
- Press **IN/MM**

NOTE! Total reset cannot be accomplished if lock feature is on.

FEATURE LOCK

To Turn Feature Lock Feature On/Off:
- Press **2ND** Appears on top of display
- Press **ON/clr**
- Press **TOL**

NOTE! A key will appear on the bottom left side of display when features are locked.

POWER

The durometer uses two internal batteries or an external AC adapter.

INSTALLING BATTERIES
- Use a narrow screwdriver and gently pry under the tab on the left side of the bezel and slide out the battery tray.
- Insert two batteries, + side up, and slide the battery tray back into the bezel.

NOTE! It is highly recommended that the batteries be removed from the durometer if it will not be used or will be powered by the AC adapter. This is to prevent damage to the durometer from battery leakage or corrosion.

AC ADAPTER

A 9V AC adapter can also be used to power the durometer for continuous operation. These adapters provide 9V DC +/- 10% to the durometer with current limited to 30ma. Connecting the AC adapter disconnects the internal batteries (if installed).

NOTE! Do not attempt to attach the AC adapter when the durometer is already on, this could result in erroneous readings or an error condition.

DUROMETER OPERATION

To operate the durometer, press the foot of the gauge firmly against the specimen, but not so firmly as to imbed the foot into the surface. This will yield the durometer reading. If during use the display freezes on a number, simply remove the dust cap on top of the indicator and depress the screw with a pen or pencil, then press **ON/clr**. This resets the durometer - no further calibration is necessary.

Rex Gauge Guarantee

All Rex durometers and accessories are guaranteed for a period of one (1) year against defective workmanship and/or material. This guarantee does not apply to products that are mishandled, misused, etched, stamped, or otherwise marked or damaged. The instrument will be repaired or replaced (at our option) without charge by Rex Gauge Company.

Repair and Calibration

All Rex gauges requiring calibration and/or certification should be sent directly to:

Rex Gauge Company, Inc.
1250 Busch Parkway
Buffalo Grove, IL 60089

CERTIFIED SPACE TECHNOLOGY

For more information visit our Web Site at
www.durometer.com

Rex DUROMETERS

REX GAUGE COMPANY, INC.
A DIVISION OF SCHULTES PRECISION MANUFACTURING
1250 Busch Parkway Buffalo Grove, IL 60089
800/927-3982
LOCAL: 847/465-9009 FAX: 847/465-9229