

## FULLY-AUTOMATIC RUBBER HARDNESS TESTER ARHJ-1

### APPLICATION

This machine is a full automatic measuring machine in which Durometer P1-A of Kobunshi Keiki Co., Ltd. is incorporated, and preset rubber test piece can be supplied automatically and the rubber hardness can be measured.



### FEATURES

#### *1. Tray enables an easy setting of rubber test piece!*

- Rubber test piece is set on the sub-tray on the base tray, and the test piece is returned to the same base tray after the hardness is measured.
- Hardness of a weak and sticky test piece can be measured by putting it on the sub-tray and sending it.
- Operation is easy because the test piece still remains preserved in the base tray after the hardness is measured.

#### *2. Use Durometer P1-A of Koubunshi Keiki Co., Ltd. with a reputation for the measurement of hardness.*

- Flexible joint function of motor-driven constant loading mechanism enables precise and reproducible hardness measurement.
- Multi-data (peak value, time-hold value, real time value) indication enables multifaceted hardness measurement. With this machine load of peak value and time-hold value is possible during auto-hardness measurement.

#### *3. An easy operation with touch panel and PC!*

- The measurement can be started from both of touch panel and PC.
- The numerical value for the machine test and each adjustment can be input by the user log in (password input).
- The manual measurement is possible by only the hardness tester.

## SPECIFICATIONS

### CONTROL UNIT

5" monochrome touch panel display and personal computer

### TRAY

Base tray           Dedicated tray for the sub-tray  
Number of test piece   20 tiers(Standard), 100 sheets(test piece: 25x50mm.)  
                              \*The number of the test piece depends on the size of the test piece.  
                              (Other sizes of the test piece are possible. . . .option)  
Sub-tray           Dedicated tray for sending the test piece and fixing the location.  
Number of test piece   5 pieces per each try(test piece: 25x50mm)  
                              \*The number of the test piece depends on the size of the test piece.

### THICKNESS MEASURING UNIT

The thickness of the test piece is measured, and the effectiveness of the hardness test is judged and the existence of the test piece is confirmed.

### HARDNESS MEASURING UNIT

Hardness tester   P1-A(Kobunshi Keiki Co., Ltd.)  
Measuring data   Peak value, Time-hold value  
Set range of timer 0 ~ 15sec.  
Hardness measuring point   5 points in one sample

### DATA OUTPUT

RS-232C

### SAFETY DEVICE

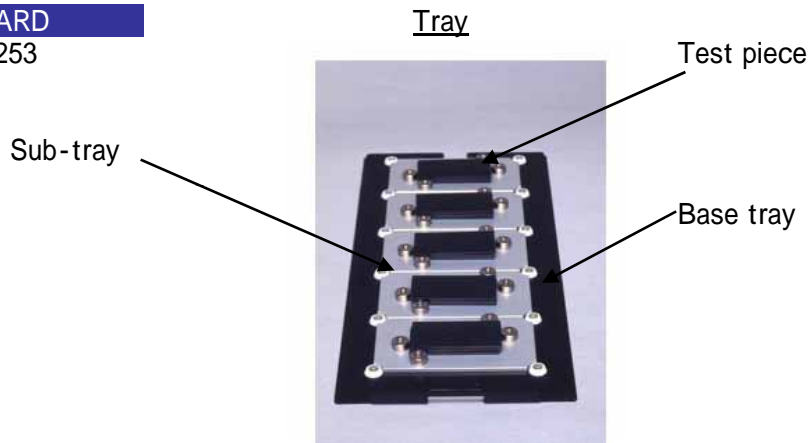
- The safety during the measurement of hardness is controlled by the system.
- Emergency stop switch
- Safety cover for the hardness measuring unit

### UTILITY

Dimensions       Abt.W67XD77XH93cm, Desk top type  
Weight           Abt.150kg  
Electric source   AC100V 50/60Hz 5A  
Air               Abt.0.5MPa or more ( Max.0.8MPa)  
                      (Regulator with the pressure gauge, Urethane tube 5m(outer dia. 6mm))

### STANDARD

JIS K 6253



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 TOYO SEIKI-SEISAKU-SHO, LTD.

ISO 9001

5-15-4, Takinogawa, Kita-ku, Tokyo  
Tel.03-3916-8183 Fax.03-3916-8173

Osaka Tel.06-6386-2851 Fax.06-6330-7438  
Nagoya Tel.052-933-0491 Fax.052-933-0591

Specification may change without notice due to modification.