Metrix+™ Innovative Excellence

SHORE HARDNESS TESTER(DUROMETER)

RHT-A

Shore A scale

Measuring principle

This instrument utilizes an indenter loaded by a calibrated spring. The measured hardness is determined by the penetration depth of the indenter under the load. For shore A, the indenter is a hardened steel rod 1.1 mm – 1.4 mm in diameter, with a truncated 35° cone of 0.79 mm diameter.



Applications

Shore A scale is used for testing soft Elastomers (rubbers) and other soft polymers like soft vulcanized rubber, natural rubber, nitriles, thermoplastic elastomers, flexible polyacrylics and thermosets, wax, felt and leathers, with hardness values between 20 ~ 90A.

Features

- It meets standards of DIN 53505, ISO 868, ISO 7619, ASTM D 2240, JIS K7215.
- Integrated probe and light weight design.
- Average value function and max data hold.
- Automatic power-off and low battery indication.
- Metric to imperial conversion.
- Inbuilt software calibration.

Technical Specifications

Model	*Metrix+* RHT-A
Display	Backlit LCD
Measuring range	0 – 100 / 10 ~ 90H
Accuracy	<+1H
Resolution	0.1H
Power	2 x 1.5V AAA (UM-4) Battery
Operation temperature	0 ~ 50℃
Dimension	170 x 63 x 24 mm
Weight	310g (excluding batteries)
Standard Configuration	Main Unit, pin length test block(this is not the real hardness test sample; it is only an imitation. Just place it onto a flat glass, then place the point of indenter into the hole of the block when taking measurement), carrying case, manual.
Optional accessories	PC interface, shore hardness tester measurement stand, rubber hardness test block(A/D type)

Model and Specifications subject to change without notice.