

Ultrasonic Hardness Tester series



HRZ-6A



HRZ-6B

1. OVERVIEW

Production of HRZ-6B intelligent nondestructive ultrasonic hardness tester is a measuring rod by means of ultrasonic sensors to measure the hardness of a high-tech, intelligent new tool. As the instrument uses an advanced sensor systems and micro controller technology, so the instrument in the function and structure is completely different from the traditional ultrasonic hardness tester, especially in the realization of Brinell, Rockwell, multi-dimensional standard hardness conversion, multi-point equilibrium value The calculation shows that the exact precision, the use of simple procedures and many other aspects have been further refined and improved, The instrument is mainly used in Rockwell hardness measurement can also be converted to the corresponding Brinell, Vickers hardness to display.

Features: No damage on the surface of the workpiece, high speed, simple operation and high precision. The finished piece, metal sheet, metal sheet (including the nitrided layer, carburized layer, plating layer, etc.), as well as easy movement of large parts and difficult to remove the special shape of parts and components, can be 100% directly hardness measurement.

THE BASIC PRINCIPLES

A uniform contact pressure, the sensor bar to the top of the pressure head and the specimen surface contact, the hardness of specimens of different rods produced by the resistance of the sensor is different from feedback received ultrasound signal change. Ultrasonic hardness testing method is through receiving different ultrasonic sensors to measure the frequency change the hardness of the specimen surface.

The elastic modulus of specimens of different, there will be some impact, if the same standard modulus test block can be adjusted to eliminate this effect.

2. TECHNICAL DATA

Indication range	HRC10-70, HB100-550, HV100-999
Display accuracy	Rockwell hardness is displayed, display the range and precision of 0.1°
Indicating accuracy	± 1 unit of Rockwell C hardness
Pressure head specification	136°diamond pyramid

Contact pressure	Uniform contact pressure12N±1N
Power supply	AC220V±10%, DC5V
Overall dimensions	200x100x35mm
Weight	0.28kg