

Automatic Rockwell and Superficial Hardness Tester

This automatic hardness tester utilizes a load cell for Rockwell hardness testing. It accurately tests both Rockwell and superficial Rockwell hardness with an easy-to-use interface.



Product Overview

Advanced Hardness Testing Solution

This automatic load cell type hardness tester provides a comprehensive solution for both Rockwell and superficial Rockwell hardness measurements. Designed for high accuracy and ease of operation, it features a real-time force control system and automated test cycles to streamline quality control processes. The system includes advanced capabilities such as curved surface auto-correction, OK/NG tolerance judgment, and conversion to multiple hardness scales and tensile strength.

Performance Metrics

Test Force Accuracy	1 %
Resolution	0.1 HR
Initial Test Force	3kgf, 10kgf

Testing Capabilities

Conversion Scales

HV • HK • HBW • Tensile Strength

Compliance Standards	GB/T230.2, ASTM E18
----------------------	---------------------

Design & Operation

Key Features

- Protrudent indenter design for inner and outer parts
- Minimum inner diameter capacity of 23mm
- Real-time force control system
- Automatic table lifting and preliminary force setting
- Continuous measurement without table lifting
- Curved surface auto-correction
- OK/NG tolerance judgment

User Interface	Touch screen with back-light LED display
----------------	--

Technical Data

Superficial Rockwell Specifications

Indenter Type	15kgf	30kgf	45kgf
Diamond Indenter	HR15N	HR30N	HR45N
1/16" Ball Indenter	HR15T	HR30T	HR45T