

Digital Rockwell Hardness Tester

This digital Rockwell hardness tester is designed for accurate hardness testing of metallic materials. It employs the Rockwell method and features a digital display for direct reading of hardness values.



Overview

Precision Hardness Testing

The Digital Rockwell Hardness Tester is a high-precision instrument designed for accurate and repeatable hardness testing of metallic materials. It features a high-definition matrix LCD display with backlight and an automated testing process, including automatic loading and unloading. With built-in statistical analysis, data output capabilities, and conversion functions for various hardness scales, it is an essential tool for quality control in the aerospace, automotive, and steel industries.

Technical Specifications

Performance Metrics

0.1 Rockwell unit

Resolution

50 seconds

Max Load Duration

Model Comparison

Feature	TH300	TH320
Rockwell Scales	A, B, C, D, E, F, G, H, K, L, M, P, R, S, V	A, B, C, D, E, F, G, H, K, L, M, P, R, S, V + Superficial 15/30/45N, T, W, X, Y
Pre-load	98.07 N	98.07 N, 29.42 N

Features

Key Features

- Automatic test process with automatic loading/unloading
- High definition Matrix LCD display with backlight
- Conversion of common hardness scales (HLD, HV, HB) & Tensile Strength
- Curvature correction for cylinder and sphere surfaces
- Upper/lower limits pre-setting with sound alarm
- RS 232/USB data output

Compliance

Typical Applications

Research Institute • Aerospace Industry • Automobile Industry • Steel Industry • University

International Standards

GB/T230.2, BS EN10109-2, ASTM E-18, ISO6508.2