

KDPHT4700

Portable Hardness Tester



Standard Configuration

| | |
|----------------------|---|
| Main Unit | 1 |
| D type impact device | 1 |
| Standard test block | 1 |
| Cleaning brush (I) | 1 |
| Small support ring | 1 |
| Battery Charger | 1 |
| Paper for printing | 1 |
| Manual | 1 |
| Data Pro software | 1 |
| Communication cable | 1 |
| Instrument case | 1 |

⚙ Introduction

- KDPHT4700 Portable Leeb hardness tester, host and printer integrated design, convenient for users to print test results, especially suitable for hardness testing outside, high cost performance.
- The instrument adopts streamlined ergonomic structure design, equipped with standard bracket and large color screen 320x240 display, which is convenient for operation and reading

⚙ Features

- Large screen(240*320 TFT display), showing all functions and parameters
- Test at any angle, even upside down
- Support "forged steel (Steel)" material, when using the D/DC impact device test "forged" sample, can read HB value directly, without the need for manual checking table.
- Wide measuring range. It can measure the hardness of all metallic materials. Direct display of hardness scales HRB, HRC, HRA, HV, HB, HS, HL and three types of strength values immediately
- Seven impact devices are available for special application. Automatically identify the type of impact devices
- Large capacity memory could store 600 groups (Relative to average times32~1) information including single measured value, mean value, testing data, impact direction, impact times, material and hardness scale etc.
- Upper and lower limit can be preset. It will alarm automatically when the result value exceeding the limit.
- Battery information indicates the rest capacity of the battery and the charge status
- User calibration function
- Original imported high speed thermal printer support the immediate printing function. It can save data permanently.
- Li rechargeable battery as the power source. Charge circuit integrated inside the instrument. Continuous working period of no less than 150 hours (EL off and no printing)
- Auto power off to save energy
- Industrialized housing design, sturdy, compact, portable, high reliability, suitable for harsh operating environment, vibration, shock and electromagnetic interference
- Excellent after-sale service system for high quality products-two years' guarantee and all life maintenance
- Easy to buy and comfortable to use



⚙ Main Application

- Die cavity of molds
- Heavy work piece
- The installed machinery and permanently assembled parts
- Failure analysis of pressure vessel, steam generator and other equipment
- Bearings and other parts
- Testing surface of a small hollow space
- Material identification in the warehouse of metallic materials
- Rapid testing in large range and multi-measuring areas for large-scale work piece

⚙ Technical Specification

| Model | KDPHT4700 |
|---------------------------|--|
| Measuring range | HLD (170-960), HRC (17.9-69.5), HB (19-683), HV (80-1042), HS (30.6-102.6), HRA(59.1-88), HRB (13.5-101.7) |
| Impact Directions | 360° (↓ ↖ ↗ ↘ ↙ → ← ↑) |
| Measuring Materials | Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel |
| Standards | ASTM A956、DIN50156-1、GB/T17394-1998 |
| Hardness Scales | HL、HB、HRB、HRC、HRA、HV、HS |
| Tensile Strenght | 374 to 2652 N/m ² |
| Display | 240*320 TFT display |
| Memory | 600 groups max. (relative to impact times 32~1) |
| Work Voltage | 9V/500mA. |
| Interface Port | USB2.0 |
| Dimensions | 210 * 85 * 45mm (host) |
| Weight | 0.6kg (host) |
| Continuous Working Period | about 150hours (With backlight off, no printing) |

