

PORTABLE LEEB HARDNESS TESTER CODE ISH-PHA



- Supplied with impact device D
- Based on Leeb(HLD), converted to Vickers(HV), Brinell(HB), Rockwell(HRC and HRB), Shore(HS) and tensile strength(MPa)
- Connected with printer via bluetooth
- LCD display with backlight
- Automatic power off
- According to ASTM A 956

included



printer



hardness test block D



small support ring

SPECIFICATION

| | | |
|----------------------|--|--------------------------|
| Min. reading | 1HLD, 1HV, 1HB, 0.1HRC, 0.1HRB, 1HS, 1MPa | |
| Accuracy | ±6HLD(when HLD=800) | |
| Display | Leeb(HLD), converted hardness, material, impact direction, test times, average value, date | |
| Output | bluetooth | |
| Applicable workpiece | minimum weight | 5kg (direct measurement) |
| | | 2kg (on solid support) |
| | | 0.1kg (coupled on plate) |
| | minimum thickness: 5mm | |
| | minimum radius of curved surface: 11mm | |
| | maximum roughness (Ra): 1.6μm | |
| Power supply | 3×AAA batteries | |
| Dimension | 150×80×24mm | |
| Weight | 200g | |

STANDARD DELIVERY

| | |
|-----------------------|-----|
| Main unit | 1pc |
| Impact device D | 1pc |
| Printer | 1pc |
| Hardness test block D | 1pc |
| Small support ring | 1pc |
| Cleaning brush | 1pc |
| AC/DC adapter | 1pc |

OPTIONAL ACCESSORY

| | |
|-----------------------|---------------|
| Couplant | ISH-COUPPLANT |
| Support rings | page 362 |
| Hardness test block D | ISH-BHLD |

APPLICABLE MATERIAL AND HARDNESS RANGE FOR IMPACT DEVICE D

| Material | HLD | HV | HB | HRC | HRB | HS | Tensile strength (MPa) |
|---------------------|---------|--------|--------|-------|--------|--------|------------------------|
| Steel & cast steel | 300-900 | 81-955 | 81-654 | 20-68 | 38-100 | 32-100 | 375-2639 |
| Tool steel | 300-840 | 80-898 | | 20-67 | | | |
| Stainless steel | 300-800 | 85-802 | 85-655 | | 46-101 | | |
| Cast iron | 360-650 | | 93-334 | | | | |
| Cast aluminum alloy | 170-570 | | 19-164 | | 23-84 | | |
| Brass | 200-550 | | 40-173 | | 13-95 | | |
| Bronze | 300-700 | | 60-290 | | | | |
| Copper | 200-690 | | 45-315 | | | | |