

## PORTABLE HARDNESS TESTER

# Hartip 2000™

**H**ARTIP 2000 is an innovative portable Leeb hardness tester with our new patent technology. Which make HARTIP 2000 a universal impact direction hardness tester. It is no need to set up impact direction when taking measurement by any angle. Therefore, HARTIP 2000 offers a linear accuracy comparing to the angle compensating method.

HARTIP 2000 is also a cost saving hardness tester and has many other features. ●



## Universal Angle

- ★ More accurate:  $\pm 2$  HL
- ★ Linear accuracy for any angles
- ★ No need to setup impact direction
- ★ No compensation for impact direction

## Specifications

| HARTIP 2000             |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Principle               | Leeb hardness measurement                                       |
| Accuracy                | $\pm 0.3\%$ @ HL=800, Repeatability: $\pm 2$ HL                 |
| Display                 | Digital LCD with backlight                                      |
| Hardness scale          | HL/HRC/HRB/HB/HV/HS/ $\sigma_b$                                 |
| Measuring range         | HL200-960/ HRC19-68/ HRB13-101.7/ HB20-655/ HV80-940/ HS32-99.5 |
| Impact device           | DU (External)                                                   |
| Impact direction        | Universal angle type                                            |
| Materials               | 10 common metal materials                                       |
| Memory                  | 999 data can be stored and re-readable                          |
| Statistics              | Calculated automatically                                        |
| Recalibration           | Allowed by user                                                 |
| Indicator               | Low battery                                                     |
| Communication interface | RS232 to micro-printer                                          |
| Auto power off          | Auto                                                            |
| Power supply            | 1.5V AA alkaline battery x 2                                    |
| Working environment     | -10~+40°C                                                       |
| Dimension (mm)          | 124x67x30                                                       |
| Net weight (g)          | 240                                                             |
| Standard                | Conforming to ASTM A956                                         |

## Portable Hardness Tester

### Standard package

|                       |   |
|-----------------------|---|
| HARTIP 2000 main unit | 1 |
| Impact device type DU | 1 |
| Small support ring    | 1 |
| Test block D          | 1 |
| AA Battery            | 2 |
| Cleaning brush        | 1 |
| Operation manual      | 1 |
| Carrying case         | 1 |

### Optional accessories

|                                           |
|-------------------------------------------|
| Mirco-printer                             |
| Impact device DU                          |
| Test block D                              |
| Standard support ring for probe DU        |
| Small support ring for probe DU           |
| A set of special support rings (total 12) |
| Interface cable (to printer)              |