

# PORTABLE HARDNESS TESTER HARTIP1800 / D&DL

**H**ARTIP1800 is an advanced state-of-the-art palm sized metal hardness tester with many new features. Using our patent technology, SADT HARTIP1800 is a new generation product. It has high accuracy:  $\pm 2$  HL (or 0.3% @HL800) with high contrast OLED display and wide environment temperature ( $-40^{\circ}\text{C}$  -  $70^{\circ}\text{C}$ ). Apart from huge memories in 400 blocks with 360k data, HARTIP1800 can download measuring data to PC and printout to micro-printer by USB port and wirelessly with internal Blue-tooth module. The battery can be charged simply from USB port, also it has a customer re-calibration and statistics function. ●

**H**ARTIP1800 D&DL is equipped with two-in-one probe. With unique two-in-one probe, HARTIP1800 D&DL can convert between probe D and probe DL simply by changing impact body. It's more economic than buying them individually. It has the same configuration with HARTIP1800 except two-in-one probe. ●



## ADVANTAGES

- ✦ Integrated design , easy operation
- ✦ Digital with high contrast OLED display
- ✦ Wide operating environment:  $-40^{\circ}\text{C}$  -  $70^{\circ}\text{C}$
- ✦ High accuracy:  $\pm 2$  HL (or 0.3% @HL800)
- ✦ Dual values( Leeb value and one conversion value) can be displayed at the same screen
- ✦ Two display modes: single value shown in big letter or multi-values shown in batch
- ✦ Screen view displays in four different directions, more convenient to view
- ✦ Huge memories in 400 blocks with 360K data, data can be recalled easily
- ✦ USB, RS232 interface, it can connect to computer
- ✦ RS232 and Bluetooth interface, it can connect micro-printer directly by cable or wireless
- ✦ Customer re-calibration allowed
- ✦ 3.7 V Li-ion rechargeable battery , it can be charged by USB or power source
- ✦ Statistics value can be calculated automatically
- ✦ With strength conversion value
- ✦ Power on/off automatically
- ✦ Packed in water-proof and rigid carrying case



With internal Bluetooth module, HARTIP1800/D&DL can print measuring data wirelessly



## Applications

Normal display



Flip display



Upright display



## Portable Hardness Tester

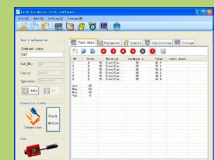
### Standard package

#### HARTIP 1800 / D&DL

HARTIP 1800 main unit	1
Internal impact device D(for 1800)	1
2-in-1 impact device D/DL(for 1800 D&DL)	1
Test block D	1
Cleaning brush	1
3.7 V Li-ion rechargeable battery (internal)	1
Bluetooth module(internal)	1
Bluetooth microprinter	1
USB cable	1
Data managing software	1
Operation manual	1
Test Certificate	1
Carrying case	1

### Optional accessories

- Bluetooth micro printer (powered by rechargeable battery)
- RS232 microprinter(powered by rechargeable battery)
- Special support rings
- Standard support ring for probe D
- Small support ring for probe D
- Impact body D
- Carbide ball tip D
- Test block D with certificate
- Test block D w/o certificate
- Charger
- European adapter plug



Software for HARTIP1800



Standard package - HARTIP1800