

PORTABLE HARDNESS TESTER HARTIP1800 BASIC / D&DL

Standard package

HARTIP 1800B/1800B DL

HARTIP 1800 basic main unit	1
Impact device D(1800 basic)	1
2-in-1 impact device D/DL(1800 basic D&DL)	1
Test block D	1
Cleaning brush	1
3.7 V Li-ion rechargeable battery (internal)	1
USB cable	1
Operation manual	1
Calibration 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



Standard package -
HARTIP1800B

HARTIP1800 Basic is a basic model for HARTIP1800 plus. With most of core functions of HARTIP1800 plus and lower price, HARTIP1800 Basic is a good choice for the customer who has the limited budget. HARTIP1800 Basic also can be equipped with our unique D/DL two-in-one impact device.



KEY FEATURES

- + Integrated design , easy operation
- + High accuracy - $\pm 0.3\%$ @ HL=800 / Repeatability: $\pm 2HL$
- + Wide operating environment - $-40\sim+60^{\circ}C$
- + Digital with high contrast OLED display
- + 4000 data memory in 4 blocks, data can be recalled easily
- + RS232 and blue tooth interface, it can connect micro-printer directly by cable or wireless (Bluetooth is an option)
- + 3.7 V Li-ion rechargeable battery , it can be charged by USB or power source
- + With strength conversion value
- + Re-calibration allowed by user
- + Power on/off automatically



Specifications

Model	SADT HARTIP 1800 plus/1800 plus D&DL	SADT HARTIP 1800 Basic/1800 Basic D&DL
Principle	Leeb hardness measurement	
Accuracy / Repeatability	$\pm 0.3\%$ @ HL=800 / $\pm 2HL$	
Display	High contrast OLED	
Hardness scale	HL/HRC/HRB/HV/HS/HRA/ob	
Measuring range	HL170-960/ HRC19-70/ HRB13-109/ HB20-655/ HV80-940/ HS32-99.5 / HRA30-88	
Impact device	D/ D-DL 2-in-1 (internal)*	
Materials	10 common metal materials	
Memory	360000 data in 400 blocks, can be saved and re-readable	4000 data in 4 blocks can be saved and re-readable
Statistics function	Average / Max. / Min. / S. value	Average / Max. / Min.
Re-calibration	Allowed by user	
Indicator	Low battery	
Interface	USB/RS232/Bluetooth to PC for transferring data or printing, USB for charging	USB for charging or printing, Bluetooth(Optional) for printing
Bluetooth microprinter	Included	-
Power on/off	Auto	
Power supply	3.7V Li-ion rechargeable battery	
Working environment	$-40^{\circ}C\sim+60^{\circ}C$	
Dimension (mm)	148x44x22	
Net weight (g)	110	
Standards	Conforming to ASTM A956, GB/T 17394-1998	

*: D-DL 2-in-1 probe is only available for DL models.