

# R/F PROBE HARDNESS TESTER

## HARTIP2200<sup>TM</sup>

The HARTIP 2200 is an innovation of HARTIP series portable hardness tester. It works with a wireless RF impact device(probe). The RF impact device(probe) can transfer measuring value to main unit wirelessly via RF module within the range of 10 meters. The measuring data also can be printed out wirelessly via micro-printer. All optional impact devices will be identified and setup automatically by main unit. Furthermore, It does not need to setup impact direction manually. The main unit with LCD display can be placed around anywhere. So one person is OK for operation. With RF probe, you would be far away from the bother which caused by the broken cable of tester. There is a rechargeable Li-ion battery inside the RF probe and can be charged directly by USB port of PC or mobile phone charger. ●



**New**

## Advantages

- ★ R/F wireless probe
- ★ Universal impact direction mode, it does not need to setup different impact direction, just take measurement at any angle
- ★ High accuracy:  $\pm 2HL(0.3\% @ HL800)$
- ★ Linear accuracy for any angles
- ★ Different probe can be identified automatically
- ★ Dual values( Leeb value and one conversion value) can be displayed at the same screen
- ★ Big LCD display with backlight
- ★ It can connect micro-printer wirelessly
- ★ 400 data for memory
- ★ Customer re-calibration allowed
- ★ Power off automatically
- ★ More economic and more convenient to use

## Specifications

SADT HARTIP 2200	
Principle	Leeb hardness measurement
Accuracy	$\pm 0.3\% @ HL=800$ , Repeatability: $\pm 2HL$
Display	Digital LCD with backlight
Hardness scale	HL/HRC/HRB/HB/HV/HS/ob
Measuring range	HL170-960/ HRC17-69/ HRB13-101.7/ HB20-655/ HV80-940 / HS32-99.5 / ob(rm)255-2180N/ mm <sup>2</sup>
Impact device	r/f wireless probe D / DC / DL / C / D+15
r/f communication distance	10m in space
r/f frequency	2.4GHz
Impact direction	Universal angle (UA) type
Materials	10 common metal materials
Memory	400 data can be stored and re-readable
Statistics	Calculated automatically
Re-calibration	Allowed by user
Indicator	Low battery
Communication interface	Wireless micro-printer
Auto power off	Auto
Power supply	1.5V AA alkaline battery x 2 (main unit) / 3.7V Li-ion rechargeable battery (wireless probe)
Working environment	-10~+40°C
Dimension (mm)	124x67x30
Net weight (g)	240
Standards	Conforming to ASTM A956, DIN 50156, GB/T 17394-1998

## Portable Hardness Tester

### Standard package

#### HARTIP 2200

HARTIP 2200 main unit	1
R/F impact device D	1
Test block D	1
Small support ring	1
Cleaning brush	1
Charging cable	1
Operation manual	1
Test certificate	1
Carrying case	1

### Optional accessories

R/F impact device DC
R/F impact device DL
R/F impact device C
R/F impact device D+15
Wireless micro printer
Special support rings
Standard big support ring for probe
Small support ring for probe
Impact body D
Carbide ball tip D
Test block D with certificate
Test block D w/o certificate