

PORTABLE HARDNESS TESTER HARTIP 4100

HARTIP 4100 is an advanced state-of-the-art palm sized metal hardness tester with many new features. It still used our patent dual-coil technology which makes H4100 to have extraordinary accuracy: ± 2 HL (or 0.3% @HL800) with high contrast colour TFT display and durable metal housing. It has a moving bar-graph display which can evaluate the workpiece upon deviation value by different colour for easy visual distinguish. HARTIP4100 can download measuring data to PC and printout to micro-printer by USB port and wirelessly with internal wireless module. The battery can be charged simply from USB port, also it has a customer re-calibration and statistics function. ●



New

ADVANTAGES

- + Integrated design , easy operation
- + Durable metal housing
- + TFT320X320 colour display
- + Wide operating environment: -20°C-70°C
- + High accuracy: ± 2 HL (or 0.3% @HL800)
- + Auto compensate error for different impact direction
- + Moving bar-graph display
- + Two evaluation modes: By Limit / Deviation
- + Two calibration modes: Coincident / Independent
- + Multi-printing mode
- + Four display styles
- + Sound reminder
- + Up to 10 kinds of menu language
- + D & DL two in one probe
- + It can connect to computer by USB or Bluetooth
- + USB and Bluetooth interface, it can connect micro-printer wirelessly
- + 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 or manually
- + Packed in rigid carrying case

Specifications

Model	SADT HARTIP 4100
Principle	Leeb hardness measurement
Accuracy / Repeatability	$\pm 0.3\%$ @ HL=800 / ± 2 HL
Display	High contrast color TFT 320 x 320
Hardness scale	HL/HRC/HRB/HV/HS/HRA/ob
Measuring range	HL100-960 / HRC0.9-79.2 / HRB1.2-140 / HB1-1878 / HV1-1698 / HS0.5-128 / HRA7-88.5 / ob(rm)24-6599N/mm ²
Probe	D/ D-DL 2-in-1 (internal)*
Materials and conversion curves	11 common metal materials, 75 curves
Memory	30 / 60 files on request, 100 data for each file, can be saved and re-readable
Statistics function	Average / Max. / Min. / S. value
Re-calibration	Coincident / Independent
Indicator	Low battery
Language	English, Simplified Chinese, Traditional Chinese, Russian, Korean, French, Italian, German, Turkish, Spanish
Interface	USB/Blue tooth to PC for transferring data, wireless printing, USB for charging
Power on/off	Auto / Manual
Power supply	3.7V Li-ion rechargeable battery
Working environment	-20°C~+70°C
Dimension (mm)	148x44x22
Net weight (g)	115
Standards	Conforming to ASTM A956, DIN 50156, GB/T 17394-1998

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

Portable Hardness Tester

Standard package

HARTIP 4100

HARTIP 4100 main unit	1
Internal probe D	1
Test block D	1
Small support ring	1
Cleaning brush	1
3.7 V Li-ion rechargeable battery (internal)	1
Bluetooth module(internal)	1
Charger	1
USB cable	1
Data managing software	1
Operation manual	1
Test Certificate	1
Carrying case	1

Optional accessories

D/DL 2-in-1 probe
Bluetooth micro printer (powered by rechargeable battery)
Special support rings
Standard support ring for probe D
Small support ring
Impact body D
Carbide ball tip D
Test block D with certificate
Test block D w/o certificate
European adapter plug

