

Portable Hardness Tester

Standard package

HARTIP 3000+ main unit	1
Digital probe D	1
Small support ring	1
Test block D	1
Cleaning brush	1
USB cable	1
PC software	1
Operation manual	1
Test Certificate	1
Carrying case	1

Optional accessories

Mirco-printer
Digital Probe DC
Digital Probe D+15
Digital Probe G
Digital Probe C
Digital Probe DL
Impact body D/DC
Impact body D+15
Impact body G
Impact body C
Impact body DL
Test block G
Test block D
Special support rings
Little pouch



HARTIP3000+ in pouch



Standard Hardness Block HLD

PORTABLE HARDNESS TESTER HARTIP 3000+

HARTIP 3000+ is a new generation of Leeb hardness tester with more advanced technology and features. The tester applies our new patent sensor technology which makes the tester more accurate than old previous model. All impact devices (probes) do not need to set up impact direction.

HARTIP 3000+ works with digital impact device. The measuring values can be downloaded to PC and printer by wireless or by cable. The HARTIP 3000+ also can be powered by USB power supply without battery via PC cable. ●



New

Specifications

SADT HARTIP 3000+			
Principle	Leeb hardness measurement	Memory	31 files, 100 data for each file, can be saved and re-readable
Accuracy	±0.3% @ HL=800, Repeatability: ±2HL	Statistics	Various Statistical analysis
Display	2.8" 320 x 240 TFT color LCD - fittable under sunshine	Re-calibration	Allowed by user
Hardness scale	HL / HRC / HRB / HB / HV / HS / HRA / MPa	Indicator	Upper limit / Lower limit / low battery / buzzer warning / date and time
Measuring range	HL100-960 / HRC0.9-79.2 / HRB1.0-140 / HB1-1878 / HV1-1698 / HS0.5-1370 / HRA1.0-88.5 / MPa(rm)1-6599N/mm ²	Display resolution	1HL, 0.1HRC
Digital probe	DC / D+15 / C / G / E / DL (Optional)	Communication interface	USB / RS232 Bluetooth (Optional)
Impact direction	Universal angle type	Continuous working time	>40 hours
Materials and conversion curves	12 common metal materials, 75 conversion curves	Power supply	1.5V AA alkaline battery x 4 / 1.2V nickel-hydrogen rechargable battery x 4 / USB power supply
Working environment	-10°C~+45°C	Dimension (mm)	195 x 84 x 38
Net weight (g)	550	Standards	ASTM A956, DIN 50156, EN ISO 16859, GB/T 17394-1998

Digital Probes



Impact Bodies