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UNIVERSAL ANGLE HARDNESS TESTER

HARTIP2000/HARTIP2000 DL™

HARTIP2000 is an innovative portable Leeb hardness tester with our new patent technology, which makes HARTIP 2000 a universal angle (UA) impact direction hardness tester. It is no need to set up impact direction when taking measurement by any angle. Therefore, HARTIP 2000 offers a linear accuracy comparing to the angle compensating method. HARTIP 2000 is also a cost saving hardness tester and has many other features.

HARTIP2000 DL is equipped with SADT unique D and DL 2-in-1 probe. ●



Universal Angle

Advantages

- ★ 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
- ★ No need to setup impact direction
- ★ No compensation for impact direction
- ★ Dual values (Leeb value and one conversion value) can be displayed at the same screen
- ★ Big LCD display with backlight
- ★ Ten testing materials including forged steel,
- ★ It has strength conversion value
- ★ RS232 and blue tooth interface, it can connect micro-printer directly by cable or wireless
- ★ 100 data for memory
- ★ Customer re-calibration allowed
- ★ Power off automatically
- ★ More economic and more convenient to use

Specifications

SADT HARTIP 2000/HARTIP2000 D&DL		Standard Package
Principle	Leeb hardness measurement	HARTIP 2000(DL) main unit
Accuracy	$\pm 0.3\% @ HL=800$, Repeatability: $\pm 2HL$	Impact device DU/D-DL 2-in-1*
Display	Digital LCD with backlight	Test block D
Hardness scale	HL/HRC/HRB/HB/HV/HS/ob	Small support ring
Measuring range	HL170-960/ HRC17-69/ HRB13-101.7/ HB20-655/ HV80-940 / HS32-99.5 / ob(rm)255-2180N/mm ²	Cleaning brush
Impact device	DU (External) /D-DL 2-in-1*	Operation manual
Impact direction	Universal angle (UA) type	Calibration Certificate
Materials	11 common metal materials	Carrying case
Memory	100 data can be stored and re-readable	Optional accessories
Statistics	Calculated automatically	Bluetooth/RS232 Micro printer
Re-calibration	Allowed by user	Probe DU/DL/D+15/G/C
Indicator	Low battery	Standard big support ring for probe
Communication interface	RS232 to micro-printer Bluetooth (optional) to bluetooth micro-printer	Standard small support ring for probe
Auto power off	Auto	Impact body D
Power supply	1.5V AA alkaline battery x 2	Carbide ball tip D
Working environment	-10~+40°C	Test block D without certificate
Dimension (mm)	124x67x30	Test block D with certificate
Net weight (g)	240	Bluetooth Module
Standard	Conforming to ASTM A956, GB/T 17394-1998	Leather case with magnetism

*: D-DL 2-in-1 probe is only available for HARTIP2000 DL.