

Portable Leeb Hardness Tester



Features:

- Support hardness conversion among HRC, HRA, HRB, HV, HB, etc, can convert 2 different scales simultaneously.
- Available to save 2000 groups test results.
- 4" LCD to display hardness result, conversion results, Max, Min, Mean value;
- Support blue tooth printer, with RS232 to connect computer for software running;
- Can test all kinds of metal which more than 5kg;
- Indicating error $\pm 5\text{HLD}$, conform standard ASTM A956;
- Support 7 types of impact devices.
- Available to save 2000 groups test results.

Applications:

- Die cavity of molds;
- Bearings and other parts;
- Failure analysis of pressure vessel, steam generator and other equipment;
- Heavy work piece;
- The installed machinery and permanently assembled parts;
- Testing surface of a small hollow space;
- Material identification in the warehouse of metallic materials;
- Rapid testing in large range and multi-measuring areas for large-scale work piece.

Specifications:

Description	Portable Leeb Hardness Tester
Model	TF-SH-500
Code#	852-150
Measuring Range	(170-960)HLD,(17-68.5)HRC,(19-651)HB,(80-976)HV,(30-100)HS,(59-85)HRA(13 -100)HRB
Measuring Direction	0~360°
Data Storage	maximum 2000 Groups test Results
Data Output	RS232/Printer
Hardness Indication	240x160 graphic dot color LCD display
Hardness Scale	HL, HBW, HRB, HRC, HRA, HV, HS
Indicating Accuracy	HLD: ±6 HRC: ±1 HB: ±4
Impact Device	D (standard)
Optional Impact Device	DC/D+15/DL/G/C/E
Work piece radius (Convex/concave)	Rmin=50mm(with support ring Rmin=10mm)
Min. work piece weight	2~5kg on stable support 0.05~2kg with compact coupling except C and G impact device
Workpiece min. thickness couple	5mm, G:10mm,C:1mm
Workpiece min. case hardened depth	0.08mm C: 0.2mm G:1.2mm
Power Supply	4.2V
Operating Temperature	0°C- 40°C
Dimension	160x 80 x 31mm
Weight	500g(Excluding impact device and printer)

Standard Delivery

Description	Code #
Instrument Main Unit	852-150
Impact device type D	852-410
Hardness Block(750-830)HLD	852-630
Cleaning brush	852-860
Factory certificate	TF-SH-500
Recharger	852-850
Accessories Box	852-900
Instrument Manual	TF-SH-500

Measuring Range / Materials

Material	HLD	HRB	HRC	HB	HV	HSD
Steel and case steel	300-900	38-100	20-68	81-654	81-955	32-100
Cold work tool steel	300-840	--	20-67	--	80-898	--
Stainless Steel	300-800	46-101	--	85-655	85-802	--
Grey cast iron	360-650	--	--	93-334	--	--
Nodular cast iron	400-660	--	--	131-387	--	--
Case aluminium alloys	170-570	23-84	--	19-164	--	--
Brass	200-550	13-95	--	40-173	--	--
Bronze	300-700	--	--	60-29	--	--
Copper	200-690	--	--	45-315	--	--