



DIGITAL PORTABLE HARDNESSTESTER

MODEL:-Th110 (BRAND:- SAMSONIC)



Advantages :-

- Wide measuring range. Based on the principal of Leeb hardness testing theory.
- It can measure the Leeb hardness of all metallic materials.
- Large screen 3 inch, showing all function and parameters.
- Test at any angle, even upside down.
- Direct display of hardness scales HRB,HRC,HV,HB,HS,HL .
- Seven impact devices are available for special application. Automatically identify the Type of impact devices.
- Large capacity memory could store 500 groups (relative to average times 32~1) information including signal measured value, mean value, testing Date, impact direction, impact times ,material and hardness scale etc.
- Upper and lower limit can be preset. It will alarm automatically when the result value Exceeding the limit.
- Battery information indicates the rest capacity of the battery and the charge status.
- User calibration function.
- Software to connect with PC via USB port.
- With EL background light.
- Thermal printer integrated, convenient for in field printing.
- NI-MH rechargeable battery as the power source. Charge circuit integrated inside the Instrument. Continuous working period of no less than 150 hours (EL off and no Printing).
- Auto power off to save energy.
- Outline dimensions: 212mmx80mmx32mm.

Main Application & Testing Range

Main application: -

- Die cavity of molds
- Bearing 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 material
- Rapid testing in large range and multi measuring areas for large- scale work piece

Configuration :-

	NO	Item	Qty	Remark
Standard Configuration	1	Main Unit	1	
	2	D type impact device	1	
	3	Standard test block	1	
	4	Clearing brush(I)	1	
	5	Small support ring	1	
	6	Battery Charger	1	
	7	Paper for printing	1	
	8	Manual	1	
	9	Instrument case	1	
Optional Configuration	10	Clearing brush(II)	1	For use with G type impact device
	11	Other type of impact devices and support rings		
	12	Datapro software	1	
	13	Communication cable	1	

Working Conditions: -

- Working temperature: -10°C~+50°C;
- Storage temperature: -30°C~+60°C;
- Relative humidity: =90%;
- The surrounding environment should avoid of vibration, strong magnetic field, corrosive medium and heavy dust.

Technical Specification :-

- Measuring range: HLD (170~960) HLD
- Measuring direction :360°
- Hardness scale: HL,HB,HRB,HRC,HRA,HV,HS.
- Display: dot matrix LCD, 128x64 dots
- Data memory: 500 groups max. (Relative to impact times 32~1)
- Printing paper : width is (57.5±0.5)mm, diameter is 30mm
- battery pack: 6V NI-MH
- Continuous working period: about 150 hours (with backlight off, no printing)
- Communication interface: USB1.1