UNI-T®

UT347A
Leeb Hardness Tester

UT347A Leeb Hardness Tester is accurate and portable in size. It supports printing and is suitable for field hardness testing of large equipment such as roller turboshaft, pressure vessel and turbine set. UT347A can be widely used in petrochemical, electrical power, automobile, shipbuilding, machinery manufacturing and other industries.

- 6 kinds of hardness values (HL, HB, HRC, HRB, HV, HS) in real time measurement
- One hardness tester can be equipped with 7 different impact devices
- Automatic identification without calibration when replacing impact device
- Statistical, multi-unit, line chart, histogram 4 measurement modes
- Camera: 640x480 pixels (900 BMP format pictures could be stored)
- Automatic alarm when the upper and lower limits are exceeded
- Adjustable backlight brightness
- Mobile phone Bluetooth APP and PC software analysis data
- Support thermal printing
- Tri-color LED indication and LED flashlight

Functions	Impact device type	Standard Richter block hardness value	Resolution	Error value	Indication repeatability	Instructions
Hardness measurement	D	790±40HLD 530±40HLD	1HLD	±6HLD ±10HLD	6HLD 10HLD	Standard hardness blocks: 1. Standard D-type Richter hardness blocks A grade uniformity ±1HLD; 2. Standard G Type Richter Hardness blocks, grade A uniformity ±1HLG;
	DC	790±40HLDC 530±40HLDC	1HLDC	±6HLDC ±10HLDC	6HLDC 10HLDC	
	DL	894±40HLDL 736±40HLDL	1HLDL	±12HLDL	12HLDL	
	D+15	795±40HLD+15 544±40HLD+15	1HLD+15	±12HLD+15	12HLD+15	
	G	590±40HLG 500±40HLG	1HLG	±12HLG	12HLG	
	E	755±40HLE 508±40HLE	1HLE	±12HLE	12HLE	
	C	851±40HLC 590±40HLC	1HLC	±12HLC	12HLC	
Display screen		2.8-inch 320x240 graphic dot matrix color TFT screen.				
Material selection		Steel and cast steel, alloy tool steel, stainless steel, forged steel, cast aluminum alloy, copper zinc alloy, copper tin alloy, gray cast iron, nodular cast iron, pure copper; Select the appropriate material for measurement.				
Hardness scale		HL, HB, HRC, HRB, HV, HS				
Strength		σb(tensile strength)				
Impact direction		0°, 45°, 90°, 135°, 180°A total of 5 impact directions				
Measurement mode		Statistical, multi-unit, line chart, histogram				
Statistical measure		Max/Min/Avg				
Thermal printing		57mm width thermal printing pape				
Data storage		900groups				
Voice prompt		√				
Bluetooth APP function		√				
USB Communication		√				
PC analysis software		√				
Auto power off		Can be set: 1/5/10/30 minutes or cancel				
Low battery indication		√				
External power source		Power adapter requirements: DC5V 2A Type-c connector.				
Charging time		About: 2~4h				
Battery		3.7V 2500mAh polymer rechargeable lithium battery.				
Drop test		1m				